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1: AB011095. Homo sapiens mRNA...[gi:3043569]

Links

LOCUS AB011095 5172 bp mRNA linear PRI 10-APR-1998

DEFINITION Homo sapiens mRNA for KIAA0523 protein, partial cds.

ACCESSION AB011095

VERSION AB011095.1 GI:3043569

KEYWORDS KIAA0523 protein.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (sites)

AUTHORS Nagase,T., Ishikawa,K., Miyajima,N., Tanaka,A., Kotani,H.,
Nomura,N. and Ohara,O.

TITLE Prediction of the coding sequences of unidentified human genes. IX.
The complete sequences of 100 new cDNA clones from brain which can
code for large proteins in vitro

JOURNAL DNA Res. 5 (1), 31-39 (1998)

MEDLINE 98290545

PUBMED 9628581

REFERENCE 2 (bases 1 to 5172)

AUTHORS Ohara,O., Nagase,T. and Ishikawa,K.

TITLE Direct Submission

JOURNAL Submitted (13-FEB-1998) Osamu Ohara, Kazusa DNA Research Institute,
DNA Technology; 1532-3 Yana, Kisarazu, Chiba 292-0812, Japan
(E-mail:cdnainfo@kazusa.or.jp, Tel:+81-438-52-3913,
Fax:+81-438-52-3914)

FEATURES

source Location/Qualifiers

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/mol_type="mRNA"

/db_xref="taxon:9606"

/clone="HG1394"

/sex="male"

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/clone_lib="pBluescriptII SK plus"

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/gene="KIAA0523"

CDS <1..1407

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/codon_start=1

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BASE COUNT 1191 a 1340 c 1492 g 1149 t

ORIGIN

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181 aagatgactg tctcccactg ccaggatgcg tgtgctgagc ggtcctatgt ctacgccggc
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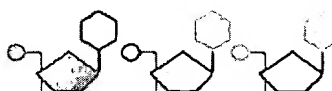
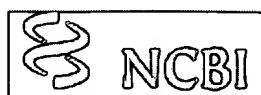
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5161 tgtttattgt tt
```

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☐ **1**: AA426220. zv84d01.s1 Soares...[gi:2107753]

Links

IDENTIFIERS

dbEST Id: 1070767
EST name: zv84d01.s1
GenBank Acc: AA426220
GenBank gi: 2107753

CLONE INFO

Clone Id: IMAGE:760321 (3')
Source: IMAGE Consortium, LLNL
DNA type: cDNA

PRIMERS

Sequencing: -41m13 fwd. ET from Amersham
PolyA Tail: Unknown

SEQUENCE

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TTAAAACAGCTTCTACCCAGCAT

Quality: High quality sequence stops at base: 194

Entry Created: May 19 1997
Last Updated: Oct 16 1997

COMMENTS

This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.

LIBRARY

Lib Name: Soares_total_fetus_Nb2HF8_9w
Organism: Homo sapiens
Develop. stage: 8-9 weeks
Lab host: DH10B
Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker
R. Site 1: Not I
R. Site 2: Eco RI
Description: 1st strand cDNA was prepared from mRNA obtained from pooled 8-9 week (total) fetus material with a Not I - oligo(dT) primer [5' TGTTACCAATCTGAAGTGGGAGCGGCCGCTTAATTTTTTTTTTTTTTTTTT 3']. Double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified pT7T3 vector. Library went through one round of normalization, and was constructed by

Bento Soares and M. Fatima Bonaldo.

SUBMITTER

Name: Wilson RK
Institution: Washington University School of Medicine
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
E-mail: est@watson.wustl.edu

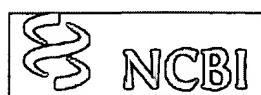
CITATIONS

Title: WashU-Merck EST Project 1997
Authors: Hillier,L., Allen,M., Bowles,L., Dubuque,T., Geisel,G., Jost
,S., Kucaba,T., Lacy,M., Le,N., Lennon,G., Marra,M., Martin
,J., Moore,B., Schellenberg,K., Steptoe,M., Tan,F., Theising
,B., White,Y., Wylie,T., Waterston,R., Wilson,R.
Year: 1997
Status: Unpublished

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☐ 1: AI915364. wd38f08.x1 Soares...[gi:5635219]

Links

IDENTIFIERS

dbEST Id: 3037330
EST name: wd38f08.x1
GenBank Acc: AI915364
GenBank gi: 5635219

CLONE INFO

Clone Id: IMAGE:2330439 (3')
Source: NCI
Insert length: 459
DNA type: cDNA

PRIMERS

Sequencing: -40UP from Gibco
PolyA Tail: Unknown

SEQUENCE

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TCCCAAGGCCCAAGGTGGTCATCATAAAGACCCAGGAATACTACTACCTTTTTCATTC
AACAGGGGAATTAAACAGCTTCTACCCAGCATTCCCATAGTCTTGAAATTCCTCTGG

Quality: High quality sequence stops at base: 272

Entry Created: Jul 28 1999
Last Updated: Dec 17 1999

COMMENTS

This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.

LIBRARY

Lib Name: Soares_NFL_T_GBC_S1
Organism: Homo sapiens
Organ: pooled
Lab host: DH10B
Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker
R. Site 1: Not I
R. Site 2: Eco RI
Description: Equal amounts of plasmid DNA from three normalized libraries (fetal lung NbHL19W, testis NHT, and B-cell NCI_CGAP_GCB1) were mixed, and ss circles were made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified cDNAs from pools of 5,000 clones made from the same 3 libraries. The pools consisted of I.M.A.G.E. clones 297480-302087,

682632-687239, 726408-728711, and 729096-731399. Subtraction
by Bento Soares and M. Fatima Bonaldo.

SUBMITTER

Name: Robert Strausberg, Ph.D.
E-mail: cgapbs-r@mail.nih.gov

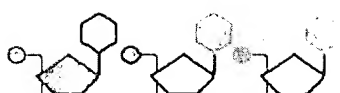
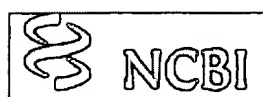
CITATIONS

Title: National Cancer Institute, Cancer Genome Anatomy Project
(CGAP), Tumor Gene Index
Authors: NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>
Year: 1997
Status: Unpublished

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Show: ☐ 1: Z39512. HSC1BH062 normali...[gi:562704][Links](#)**IDENTIFIERS**

dbEST Id: 64601
EST name: HSC1BH062
GenBank Acc: Z39512
GenBank gi: 562704

CLONE INFO

Clone Id: c-1bh06 (3')
DNA type: cDNA

PRIMERS

Sequencing: (-21)M13_universal
PolyA Tail: Unknown

SEQUENCE

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CAAGGTGGTCATCATAAAGACCCAGGAATACTACTACCTTTTTACATTCAACAGGGGAA
TTAAACAGCTTCTACCCAGCATTCCCATAAGTCTTGAAATTCCCTCTGGCTTCATTGTC
TTAACTCACANGATCATACCTAACCCAGTCACCATAGCTGGAAGATG
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Entry Created: Oct 31 1994
Last Updated: Oct 31 1994

COMMENTS

Single read. 25 T removed at sequence 5'end
Genexpress_library_id: C; Genexpress_sequence_id:
alc-1bh06

LIBRARY

Lib Name: normalized infant brain cDNA
Organism: Homo sapiens
Sex: Female
Organ: brain
Tissue type: total brain
Develop. stage: 3 months old
Vector: lafmid BA
R. Site 1: HindIII
R. Site 2: NotI
Description: sex=Female; dev_stage=3 months old; isolate=muscular atrophy patient; tissue_type=total brain; total mRNA was oligo-(dT) primed and directionally cloned 5' -> 3' into the HindIII -> NotI sites of the lafmid BA vector. Clone library from B.Soares, Psychiatry Dept. Columbia University, USA. Normalization_method: Bento Soares, P.N.A.S in press

SUBMITTER

Name: Genethon
Lab: Genexpress-Genethon
Institution: Genethon Centre de recherche sur le Genome Humain
Address: 1,rue de l'Internationale, BP60 91002 EVRY Cedex, FRANCE
Tel: 33169472800
Fax: 33160778698
E-mail: genexpress@genethon.fr

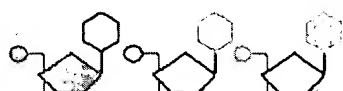
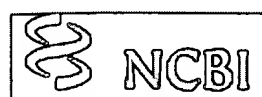
CITATIONS

Medline UID: [95277534](#)
Title: IMAGE: molecular integration of the analysis of the human genome and its expression
Authors: Auffray,C., Behar,G., Bois,F., Bouchier,C., da Silva,C., Devignes,M.D., Duprat,S., Houlgatte,R., Jumeau,M.N., Lamy,B., Lorenzo,F., Mitchell,H., Mariage-Samson,R., Pietu,G., Pouliot,Y., Sebastiani-Kabaktchis,C., Tessier,A.
Citation: C. R. Acad. Sci. III, Sci. Vie 318 (2): 263-272 1995

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☐ 1: N63086.yz32e07.s1 Soares...[gi:1210915][Links](#)**IDENTIFIERS**

dbEST Id: 468837
EST name: yz32e07.s1
GenBank Acc: N63086
GenBank gi: 1210915
GDB Id: 3903300

CLONE INFO

Clone Id: IMAGE:284772 (3')
Source: IMAGE Consortium, LLNL
Insert length: 724
DNA type: cDNA

PRIMERS

Sequencing: m13 -40 forward
PolyA Tail: Unknown

SEQUENCE

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TCTCAACTCTCCCTTCAGTGGTGTGTCAGCTTCACGTGATTCTGGTCATGATCCCAAGGCC
CAAGGTGGTCATCATAAAGACCCAGGAATACTACTACCTTTTTTCACATTCAACAGGGGAA
TTAAAACAGCTTCTACCCAGCATTCCCATAAGTCTTGAAATTCCTCTGGCTTCATTGTC
TTAACTCACAAGATCATACCTAACCCAGTCACCATAAGCTGGAAAGATGGA
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Quality: High quality sequence stops at base: 285

Entry Created: Feb 23 1996

Last Updated: Jan 30 1997

COMMENTS

This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.

LIBRARY

Lib Name: Soares_multiple_sclerosis_2NbHMSP
Organism: Homo sapiens
Sex: male
Tissue type: multiple sclerosis lesions
Develop. stage: Age 46
Lab host: DH10B (ampicillin resistant)
Vector: pT7T3D (Pharmacia) with a modified polylinker V_TYPE:
phagemid
R. Site 1: Not I
R. Site 2: Eco RI
Description: 1st strand cDNA was primed with a Not I - oligo(dT) primer
[5' TGTTACCAATCTGAAGTGGGAGCGGCCGCATTTTTTTTTTTTTTTTTTTT 3'],

double-stranded cDNA was size selected, ligated to Eco RI adapters (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of a modified pT7T3 vector (Pharmacia). Library went through one round of normalization to a Cot = 5. Library constructed by Bento Soares and M.Fatima Bonaldo. RNA from 4 multiple sclerosis lesions from one patient was kindly provided by Dr. Kevin G. Becker (NINDS/NIH).

SUBMITTER

Name: Wilson RK
Institution: Washington University School of Medicine
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
E-mail: est@watson.wustl.edu

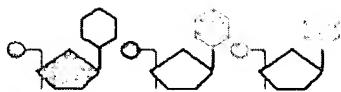
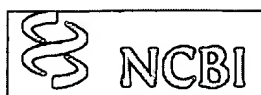
CITATIONS

Medline UID: [97044478](#)
Title: Generation and analysis of 280,000 human expressed sequence tags
Authors: Hillier,L., Lennon,G., Becker,M., Bonaldo,M.F., Chiapelli,B., Chissoe,S., Dietrich,N., DuBuque,T., Favello,A., Gish,W., Hawkins,M., Hultman,M., Kucaba,T., Lacy,M., Le,M., Le,N., Mardis,E., Moore,B., Morris,M., Parsons,J., Prange,C., Rifkin,L., Rohlfing,T., Schellenberg,K., Soares,M.B., Tan,F., Thierry-Meg,J., Trevaskis,E., Underwood,K., Wohldmann,P., Waterston,R., Wilson,R., Marra,M.
Citation: Genome Res. 6 (9): 807-828 1996

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☐ 1: AI095108. qa14h11.x1 NCI_CG...[gi:3434084][Links](#)**IDENTIFIERS**

dbEST Id: 1853495
EST name: qa14h11.x1
GenBank Acc: AI095108
GenBank gi: 3434084

CLONE INFO

Clone Id: IMAGE:1686789 (3')
Source: NCI
Insert length: 724
DNA type: cDNA

PRIMERS

Sequencing: -40m13 fwd. ET from Amersham
PolyA Tail: Unknown

SEQUENCE

TAAACAATAAACAGAATTTATTAGCTCATATAACAAAAAAGTCCAGAGGTAAGGCCAAT
CTCAAGCAAGGCTTGATCCTGTACTTAAACAATTTACCAAGGACTTGATCTCTTTCTGC
CTCTCAACTCTCCCTTCAGTGGTGTGAGCTTCACGTGATTCTGGTCATGATCCCAAGGC
CCAAGGTGGTCATCATAAAGACCCAGGAATACTACTACCTTTTTTACATTCAACAGGGGA
ATTTAAACAGCTTCTACCCAGCATTCCCATAGTCTTGAAATTCCTCTGGCTTCATTGT
CTTAAGTACAAGATCATACCTAACCAGTCACCATAGCTGGAAAGATGGAAGGTGTCAT
TGGCTTAGTCCAGGACATGTATTCCACCCCTGGAGAG

Quality: High quality sequence stops at base: 396

Entry Created: Aug 18 1998

Last Updated: Oct 1 1998

COMMENTS

Tissue Procurement: David N. Louis, M.D., Myrna R. Rosenfeld
M.D., Ph.D.
cDNA Library Preparation: M. Bento Soares, Ph.D., M. Fatima
Bonaldo, Ph.D.
cDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing
Center
Clone distribution: NCI-CGAP clone distribution information
can be found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html

LIBRARY

Lib Name: NCI_CGAP_Brn23
Organism: Homo sapiens
Organ: brain
Tissue type: glioblastoma (pooled)
Lab host: DH10B

Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker
R. Site 1: Not I
R. Site 2: Eco RI
Description: 1st strand cDNA was primed with a Not I - oligo(dT) primer
[5'
TGTTACCAATCTGAAGTGGGAGCGGCCGCATATCTTTTTTTTTTTTTTTTTTTTTTTTTTT
3']; double-stranded cDNA was ligated to Eco RI adaptors
(Pharmacia), digested with Not I and cloned into the Not I
and Eco RI sites of the modified pT7T3 vector. Library is
normalized, and was constructed by Bento Soares and M.Fatima
Bonaldo.

SUBMITTER

Name: Robert Strausberg, Ph.D.
E-mail: cgapbs-r@mail.nih.gov

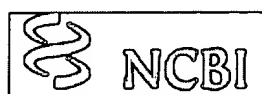
CITATIONS

Title: National Cancer Institute / National Institute of
Neurological Disorders and Stroke, Brain Tumor Genome
Anatomy Project (CGAP/BTGAP), Tumor Gene Index
Authors: NCI/NINDS-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>
Year: 1998
Status: Unpublished

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☐ 1: AI056703. oy53e04.x1 NCI_CG...[gi:3330569][Links](#)**IDENTIFIERS**

dbEST Id: 1796154
EST name: oy53e04.x1
GenBank Acc: AI056703
GenBank gi: 3330569

CLONE INFO

Clone Id: IMAGE:1669566 (3')
Source: NCI
DNA type: cDNA

PRIMERS

Sequencing: -40m13 fwd. ET from Amersham
PolyA Tail: Unknown

SEQUENCE

TAAACAATAAACAGAATTTATTAGCTCATATAACAAAAAAGTCCAGAGGTAAGGCCAAT
CTCAAGCAAGGCTTGATCCTGTACTTAAACAATTTACCAAGGACTTGATCTCTTTCTGC
CTCTCAACTCTCCCTTCAGTGGTGTGAGCTTCACGTGATTCCCTGGTCATGATCCCAAGGC
CCAAGGTGGTCATCATAAAGACCCAGGAATACTACTACCTTTTTTACATTCAACAGGGGA
ATTAACAGCTTCTACCCAGCATTCCCATAGTCTTGAAATTCCTCTGGCTTCATTGT
CTTAAGTACAAGATCATACCTAACCAGTCACCATAGCTGGAAAGATGGAAGGTGTCAT
TGGCTTAGTCCAGGACATGTATTCCACCCCTGGAGAGGCTCTGGCAGATCATATGAATTC
CCAAACAGAAATGGGGGGTT

Entry Created: Jul 20 1998
Last Updated: Jul 20 1998

COMMENTS

Tissue Procurement: David N. Louis, M.D., Myrna R. Rosenfeld
M.D., Ph.D.
cDNA Library Preparation: M. Bento Soares, Ph.D., M. Fatima
Bonaldo, Ph.D.
cDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing
Center
Clone distribution: NCI-CGAP clone distribution information
can be found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html

LIBRARY

Lib Name: NCI_CGAP_Brn23
Organism: Homo sapiens
Organ: brain
Tissue type: glioblastoma (pooled)
Lab host: DH10B
Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker

R. Site 1: Not I
R. Site 2: Eco RI
Description: 1st strand cDNA was primed with a Not I - oligo(dT) primer
[5'
TGTTACCAATCTGAAGTGGGAGCGGCCGCATATCTTTTTTTTTTTTTTTTTTTTTTTTTT
3']; double-stranded cDNA was ligated to Eco RI adaptors
(Pharmacia), digested with Not I and cloned into the Not I
and Eco RI sites of the modified pT7T3 vector. Library is
normalized, and was constructed by Bento Soares and M.Fatima
Bonaldo.

SUBMITTER

Name: Robert Strausberg, Ph.D.
E-mail: cgapbs-r@mail.nih.gov

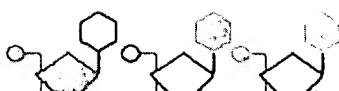
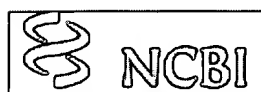
CITATIONS

Title: National Cancer Institute / National Institute of
Neurological Disorders and Stroke, Brain Tumor Genome
Anatomy Project (CGAP/BTGAP), Tumor Gene Index
Authors: NCI/NINDS-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>
Year: 1998
Status: Unpublished

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Show: ☐ 1: BE326640. hr62f06.x1 NCI_CG...[gi:9200416]

Links

IDENTIFIERS

dbEST Id: 5303724
EST name: hr62f06.x1
GenBank Acc: BE326640
GenBank gi: 9200416

CLONE INFO

Clone Id: IMAGE:3133091 (3')
Source: NCI
DNA type: cDNA

PRIMERS

Sequencing: -40UP from Gibco
PolyA Tail: Unknown

SEQUENCE

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AAACAATAAACAGAATTTATTAGCTCATATAACAAAAAAGTCCAGAGGTAAGGCCAATC
TCAAGCAAGGCTTGATCCTGTACTTAAACAATTTACCAAGGACTTGATCTCTTTCTGCC
TCTCAACTCTCCCTTCAGTGGTGTCTAGCTTACGTGATTCTGGTCATGATCCCAAGGCC
CAAGGTGGTCATCATAAAGACCCAGGAATACTACTACCTTTTTTCACATTCAACAGGGGAA
TAAAACAGCTTCTACCCAGCATTCCCATAAGTCTTAAATTCCTCTGGCTTCATTGTCT
TAACTCACAAGATCATACCTAACCCAGTCACCATAGCTGGAAAGATGGAAGGTGTCATTG
GCTTAGTCCAGGACATGTATTCCACCCCTGGAGAGGCTCTGGCAGATCATATGAATTCCC
AAACAGAAATGGGGGGTTGCTGGGAAAGGAAATGG
```

Entry Created: Jul 14 2000
Last Updated: Jul 14 2000

COMMENTS

Tissue Procurement: Christopher Moskaluk, M.D., Ph.D.,
Michael R. Emmert-Buck, M.D., Ph.D.
cDNA Library Preparation: M. Bento Soares, Ph.D.
cDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing
Center
Clone distribution: NCI-CGAP clone distribution information
can be found through the I.M.A.G.E. Consortium/LLNL, send
email to: info@image.llnl.gov

LIBRARY

Lib Name: NCI_CGAP_Kid11
Organism: Homo sapiens
Organ: kidney
Lab host: DH10B
Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker
R. Site 1: Not I
R. Site 2: Eco RI

Description: Plasmid DNA from the normalized library NCI_CGAP_Kid3 was prepared, and ss circles were made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified cDNAs from a pool of 5,000 clones made from the same library (cloneIDs 1322376-1323911, 1456007-1456775, and 1500552-1502855). Subtraction by Bento Soares and M. Fatima Bonaldo.

SUBMITTER

Name: Robert Strausberg, Ph.D.
E-mail: cgapbs-r@mail.nih.gov

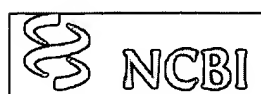
CITATIONS

Title: National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index
Authors: NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>
Year: 1997
Status: Unpublished

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Show: ☐ 1: AI359305.qy29c09.x1 NCI_CG...[gi:4110926][Links](#)**IDENTIFIERS**

dbEST Id: 2143123
EST name: qy29c09.x1
GenBank Acc: AI359305
GenBank gi: 4110926

CLONE INFO

Clone Id: IMAGE:2013424 (3')
Source: NCI
Insert length: 730
DNA type: cDNA

PRIMERS

Sequencing: -40UP from Gibco
PolyA Tail: Unknown

SEQUENCE

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AAACAATAAACAGAATTTATTAGCTCATATAACAAAAAAGTCCAGAGGTAAGGCCAATC
TCAAGCAAGGCTTGATCCTGTACTTAAACAATTTACCAAGGACTTGATCTCTTTCTGCC
TCTCAACTCTCCCTTCAGTGGTGTGAGCTTCACGTGATTCCTGGTCATGATCCCAAGGCC
CAAGGTGGTCATCATAAAGACCCAGGAATACTACTACCTTTTTTCACATTCAACAGGGGAA
TAAAACAGCTTCTACCCAGCATTCCCATAAGTCTTGAAATTCCCTCTGGCTTCATTGTC
TAACTCACAAGATCATACCTAACCCAGTCACCATAGCTGGAAAGATGGAAGGTGTCATT
GGCTTAGTCCAGGACATGTATTCCACCCCTGGAGAGGCTCTGGCAGATCATATGAATTCC
CAAACAGAAATGGGGGGTTGCTGGGAAAGGAAATGGAGGAATGAATGTGG
```

Entry Created: Jan 6 1999
Last Updated: Feb 15 1999

COMMENTS

Tissue Procurement: David N. Louis, M.D., Myrna R. Rosenfeld
M.D., Ph.D.
cDNA Library Preparation: M. Bento Soares, Ph.D., M. Fatima
Bonaldo, Ph.D.
cDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing
Center
Clone distribution: NCI-CGAP clone distribution information
can be found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html

LIBRARY

Lib Name: NCI_CGAP_Brn23
Organism: Homo sapiens
Organ: brain
Tissue type: glioblastoma (pooled)
Lab host: DH10B

Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker
R. Site 1: Not I
R. Site 2: Eco RI
Description: 1st strand cDNA was primed with a Not I - oligo(dT) primer
[5'
TGTTACCAATCTGAAGTGGGAGCGGCCGCATATCTTTTTTTTTTTTTTTTTTTTTTTT
3']; double-stranded cDNA was ligated to Eco RI adaptors
(Pharmacia), digested with Not I and cloned into the Not I
and Eco RI sites of the modified pT7T3 vector. Library is
normalized, and was constructed by Bento Soares and M.Fatima
Bonaldo.

SUBMITTER

Name: Robert Strausberg, Ph.D.
E-mail: cgapbs-r@mail.nih.gov

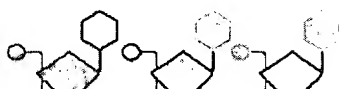
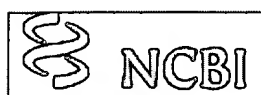
CITATIONS

Title: National Cancer Institute / National Institute of
Neurological Disorders and Stroke, Brain Tumor Genome
Anatomy Project (CGAP/BTGAP), Tumor Gene Index
Authors: NCI/NINDS-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>
Year: 1998
Status: Unpublished

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Show: ☐ 1: AI421276. tf19g05.x1 NCI_CG...[gi:4267207][Links](#)**IDENTIFIERS**

dbEST Id: 2229032
EST name: tf19g05.x1
GenBank Acc: AI421276
GenBank gi: 4267207

CLONE INFO

Clone Id: IMAGE:2096696 (3')
Source: NCI
Insert length: 745
DNA type: cDNA

PRIMERS

Sequencing: -40UP from Gibco
PolyA Tail: Unknown

SEQUENCE

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TCAAGCAAGGCTTGATCCTGTACTTAAACAATTTACCAAGGACTTGATCTCTTTCTGCC
TCTCAACTCTCCCTTCAGTGGTGTGTCAGCTTCACGTGATTCCTGGTCATGATCCCAAGGCC
CAAGGTGGTCATCATAAAGACCCAGGAATACTACTACCTTTTTTCACATTCAACAGGGGAA
TAAAACAGCTTCTACCCAGCATTCCCATAAGTCTTGAAATTCCTCTGGCTTCATTGTC
TAACTCACAAGATCATACCTAACCCAGTCACCATAGCTGGAAAGATGGAAGGTGTCATT
GGCTTAGTCCAGGACATGTATTCCACCCCTGGAGAGGCTCTGGCAGATCATATGAATTCC
CAAACAGAAATGGGGGGTTGCTGGGAAAGGAAATGGAGGAATGAATGTGGATGCAATCAG
C
```

Quality: High quality sequence stops at base: 451

Entry Created: Feb 10 1999

Last Updated: Mar 28 1999

COMMENTS

Tissue Procurement: David N. Louis, M.D., Myrna R. Rosenfeld
M.D., Ph.D.
cDNA Library Preparation: M. Bento Soares, Ph.D., M. Fatima
Bonaldo, Ph.D.
cDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing
Center
Clone distribution: NCI-CGAP clone distribution information
can be found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html

LIBRARY

Lib Name: NCI_CGAP_Brn23
Organism: Homo sapiens
Organ: brain

Tissue type: glioblastoma (pooled)
Lab host: DH10B
Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker
R. Site 1: Not I
R. Site 2: Eco RI
Description: 1st strand cDNA was primed with a Not I - oligo(dT) primer
[5'
TGTTACCAATCTGAAGTGGGAGCGGCCGCATATCTTTTTTTTTTTTTTTTTTTTTTTT
3']; double-stranded cDNA was ligated to Eco RI adaptors
(Pharmacia), digested with Not I and cloned into the Not I
and Eco RI sites of the modified pT7T3 vector. Library is
normalized, and was constructed by Bento Soares and M.Fatima
Bonaldo.

SUBMITTER

Name: Robert Strausberg, Ph.D.
E-mail: cgapbs-r@mail.nih.gov

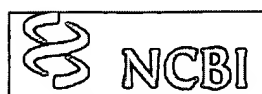
CITATIONS

Title: National Cancer Institute / National Institute of
Neurological Disorders and Stroke, Brain Tumor Genome
Anatomy Project (CGAP/BTGAP), Tumor Gene Index
Authors: NCI/NINDS-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>
Year: 1998
Status: Unpublished

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☐ 1: AW008726. ws72c12.x1 NCI_CG...[gi:5857504][Links](#)**IDENTIFIERS**

dbEST Id: 3137714
EST name: ws72c12.x1
GenBank Acc: AW008726
GenBank gi: 5857504

CLONE INFO

Clone Id: IMAGE:2502742 (3')
Source: NCI
Insert length: 679
DNA type: cDNA

PRIMERS

Sequencing: -40UP from Gibco
PolyA Tail: Unknown

SEQUENCE

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TCAAGCAAGGCTTGATCCTGTACTTAAACAATTTACCAAGGACTTGATCTCTTTCTGCC
TCTCAACTCTCCCTTCAGTGGTGTGAGCTTCACGTGATTCCCTGGTCATGATCCCAAGGCC
CAAGGTGGTCATCATAAAGACCCAGGAATACTACTACCTTTTTCACATTCAACAGGGGAA
TTAAAACAGCTTCTACCCAGCATTCCCATAAGTCTTGAAATTCCCTCTGGCTTCATTGTC
TTAACTCACAAGATCATACCTAACCCAGTCACCATAGCTGGAAAGATGGAAGGTGTCATT
GGCTTAGTCCAGGACATGTATTCCACCCCTGGAGAGGCTCTGGCAGATCATATGAATTCC
CAAACAGAAATGGGGGGTTGCTGGGAAAGGAAATGGAGGAATGAATGTNGATGCAATCAG
CAAGACCTACC
```

Quality: High quality sequence stops at base: 465

Entry Created: Sep 9 1999

Last Updated: Mar 8 2000

COMMENTS

Tissue Procurement: David N. Louis, M.D., Myrna R. Rosenfeld
M.D., Ph.D.

cDNA Library Preparation: M. Bento Soares, Ph.D., M. Fatima
Bonaldo, Ph.D.

cDNA Library Arrayed by: Greg Lennon, Ph.D.

DNA Sequencing by: Washington University Genome Sequencing
Center

Clone distribution: NCI-CGAP clone distribution information
can be found through the I.M.A.G.E. Consortium/LLNL at:

www-bio.llnl.gov/bbrp/image/image.html

LIBRARY

Lib Name: NCI_CGAP_Brn23
Organism: Homo sapiens
Organ: brain

Tissue type: glioblastoma (pooled)
Lab host: DH10B
Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker
R. Site 1: Not I
R. Site 2: Eco RI
Description: 1st strand cDNA was primed with a Not I - oligo(dT) primer
[5'
TGTTACCAATCTGAAGTGGGAGCGGCCGCATATCTTTTTTTTTTTTTTTTTTTTTTTT
3']; double-stranded cDNA was ligated to Eco RI adaptors
(Pharmacia), digested with Not I and cloned into the Not I
and Eco RI sites of the modified pT7T3 vector. Library is
normalized, and was constructed by Bento Soares and M.Fatima
Bonaldo.

SUBMITTER

Name: Robert Strausberg, Ph.D.
E-mail: cgapbs-r@mail.nih.gov

CITATIONS

Title: National Cancer Institute / National Institute of
Neurological Disorders and Stroke, Brain Tumor Genome
Anatomy Project (CGAP/BTGAP), Tumor Gene Index
Authors: NCI/NINDS-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>
Year: 1998
Status: Unpublished

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☐ 1: AI685123. wc67g02.x1 NCI_CG...[gi:4896417][Links](#)**IDENTIFIERS**

dbEST Id: 2584900
EST name: wc67g02.x1
GenBank Acc: AI685123
GenBank gi: 4896417

CLONE INFO

Clone Id: IMAGE:2323730 (3')
Source: NCI
Insert length: 766
DNA type: cDNA

PRIMERS

Sequencing: -40UP from Gibco
PolyA Tail: Unknown

SEQUENCE

TAAACAATAAACAGAATTTATTAGCTCATATAACAAAAAAGTCCAGAGGTAAGGCCAAT
CTCAAGCAAGGCTTGATCCTGTACTTAAACAATTTACCAAGGACTTGATCTCTTTCTGC
CTCTCAACTCTCCCTTCAGTGGTGTGAGCTTCACGTGATTCTGGTTCATGATCCCAAGGC
CCAAGGTGGTCATCATAAAGACCCAGGAATACTACTACCTTTTTTACATTCAACAGGGGA
ATTAAACAGCTTCTACCCAGCATTCCCATAGTCTTGAAATTCCTCTGGCTTCATTGT
CTTAACTCACAAGATCATACCTAACCCAGTCACCATAGCTGGAAAGATGGAAGGTGTCAT
TGGCTTAGTCCAGGACATGTATTCCACCCCTGGAGAGGCTCTGGCAGATCATATGAATTC
CCAAACAGAAATGGGGGGTTGCTGGGAAAGGAAATGGAGGAATGAATGTGGATGCAATCA
GCAAGACCTACCACTTC

Quality: High quality sequence stops at base: 412

Entry Created: May 27 1999

Last Updated: Dec 17 1999

COMMENTS

Life Technologies catalog #: 11548-013
DNA Sequencing by: Washington University Genome Sequencing
Center
Clone distribution: NCI-CGAP clone distribution information
can be found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html

LIBRARY

Lib Name: NCI_CGAP_Pan1
Organism: Homo sapiens
Organ: pancreas
Tissue type: adenocarcinoma
Lab host: DH10B
Vector: pCMV-SPORT6
R. Site 1: SalI

R. Site 2: NotI
Description: Cloned unidirectionally. Primer: Oligo dT. Average insert size 1.72 kb. Life Technologies catalog #: 11548-013

SUBMITTER

Name: Robert Strausberg, Ph.D.
E-mail: cgapbs-r@mail.nih.gov

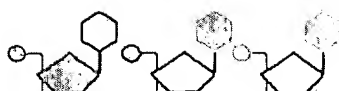
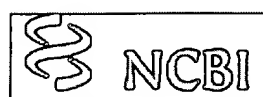
CITATIONS

Title: National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index
Authors: NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>
Year: 1997
Status: Unpublished

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1: AW294233. UI-H-BI2-ahc-f-12...[gi:6700869]

Links

IDENTIFIERS

dbEST Id: 3677341
EST name: UI-H-BI2-ahc-f-12-0-UI.s1
GenBank Acc: AW294233
GenBank gi: 6700869

CLONE INFO

Clone Id: IMAGE:2726542 (3')
Source: NCI
DNA type: cDNA

PRIMERS

Sequencing: M13 Forward
PolyA Tail: yes

SEQUENCE

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CAGAGGTAAGGCCAATCTCAAGCAAGGCTTGATCCTGTACTTAAACAATTTACCAAGGA
CTTGATCTCTTTCTGCCTCTCAACTCTCCCTTCAGTGGTGTGAGCTTCACGTGATTCCTG
GTCATGATCCCAAGGCCCAAGGTGGTCATCATAAAGACCCAGGAATACTACTACCTTTTT
CACATTCAACAGGGGAATTAACAGCTTCTACCCAGCATTCCCATAGTCTTGAAATTC
CCTCTGGCTTCATTGTCTTAAGTACCAAGATCATACCTAAGGAGTACCATAGCTGGAA
AGATGGAAGGTGTCATTGGCTTAGTCCAGGACATGTATTCCACCCCTGGAGAGGCTCTGG
CAGATCATATGAATTCACAAACAGAAATGGGGGGTTGCTGGGAAAGGAAATGGAGGAATG
AATGTGGATGCAATCAGCAAGAAGTACCACTT
```

Entry Created: Jan 14 2000
Last Updated: Jan 16 2000

COMMENTS

The sequence contained an oligo-dT track that was present in the oligonucleotide that was used to prime the synthesis of first strand cDNA and therefore this may represent a bonafide poly A tail. cDNA Library Preparation: M.B. Soares Lab Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: www-bio.llnl.gov/bbrp/image/image.html The following repetitive elements were found in this cDNA sequence: 1-27, >AT_rich#Low_complexity

LIBRARY

Lib Name: NCI_CGAP_Sub4
Organism: Homo sapiens
Tag Seq: ATATC
Tag Tissue: brain
Tag Lib: NCI_CGAP_Brn23
Lab host: DH10B (Life Technologies)

Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker
R. Site 1: Not I
R. Site 2: Eco RI
Description: The NCI_CGAP_Sub4 library is a subtracted library derived from the NCI_CGAP_Sub2 library which is a subtracted library derived from the NCI_CGAP_Sub1 library, which is a subtracted library derived from BI. BI constitutes a mixture of 21 normalized or subtracted NCI_CGAP libraries: NCI_CGAP_Co4, NCI_CGAP_Pr22, NCI_CGAP_Pr28, NCI_CGAP_Co10, NCI_CGAP_Co16, NCI_CGAP_Kid5, NCI_CGAP_Kid12, NCI_CGAP_Kid3, NCI_CGAP_Kid11, NCI_CGAP_Lym2, NCI_CGAP_Br2, NCI_CGAP_Co8, NCI_CGAP_CLL1, NCI_CGAP_Lei2, NCI_CGAP_Brn23, NCI_CGAP_Lu5, NCI_CGAP_Lu24, NCI_CGAP_Lu19, NCI_CGAP_GC4, NCI_CGAP_GC6, NCI_CGAP_Brn25. These 21 libraries were pooled and a single-stranded DNA preparation of the resulting mixture was used as a tracer in a subtractive hybridization with a driver whose composition is detailed below: NCI_CGAP_Kid3 pool 1 : LLAM 3334-3337, 3682-3683, 3798-3803 (IMAGE CloneIDs 1322376-1323911, 1456008-1456775, 1500552-1502855) NCI_CGAP_Kid5 pool 1 : LLAM 3338-3342, 3722-3725, 3776-3778 (IMAGE CloneIDs 1323912-1325831, 1471368-1472903, 1492104-1493255) NCI_CGAP_Lu5 pool 1 : LLAM 3575-3582, 3851-3854 (IMAGE CloneIDs 1414920-1417991, 1520904-1522439) NCI_CGAP_GC4 pool 1 : LLAM 3164-3167, 3716-3720, 3733-3735 (IMAGE CloneIDs 1257096-1258631, 1469064-1470983, 1475592-1476743) NCI_CGAP_Pr22 pool 1 : LLAM 2457-2459, 2758-2759, 3062-3068 (IMAGE CloneIDs 985608-986759, 1101192-1101959, 1217928-1220615) NCI_CGAP_Co10 pool 1 : LLAM 2644-2653, 2871-2872 (IMAGE CloneIDs 1057416-1061255, 1144584-1145351) Subtraction was performed as previously described [Bonaldo, Lennon & Soares (1996): Normalization and Subtraction: Two Approaches To Facilitate Gene Discovery. Genome Research 6, 791-806.]

SUBMITTER

Name: Robert Strausberg, Ph.D.
E-mail: cgapbs-r@mail.nih.gov

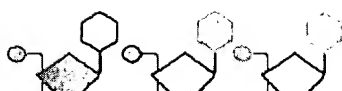
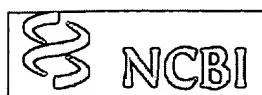
CITATIONS

Title: National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index
Authors: NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>
Year: 1997
Status: Unpublished

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☐ 1: G42509. SHGC-58593 Human ...[gi:4062074]

Links

LOCUS G42509 451 bp DNA linear STS 24-DEC-1998
 DEFINITION SHGC-58593 Human Homo sapiens STS genomic, sequence tagged site.
 ACCESSION G42509
 VERSION G42509.1 GI:4062074
 KEYWORDS STS.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 451)
 AUTHORS Myers, R.M.
 TITLE Human STSs (1998)
 JOURNAL Unpublished (1998)
 COMMENT

Contact: Richard M. Myers
 Stanford Human Genome Center (SHGC)
 Stanford University School of Medicine
 Department of Genetics, M-344, Stanford, CA 94305, USA
 Tel: 4157259687
 Fax: 4157259689
 Email: myers@shgc.stanford.edu
 Primer A: GCAAATGGAGTCACACGCTC
 Primer B: GGCCAATTATTTCCATCGCT
 STS size: 254
 PCR Profile:
 Initial incubation: 95 degrees C for 10 minutes
 Denaturation: 94 degrees C for 30 seconds
 Annealing: 60 degrees C for 30 seconds
 Polymerization: 72 degrees C for 23 seconds
 PCR Cycles: 30
 Thermal Cycler: Perkin Elmer 9700

Protocol:

Template: 25 ng
 Primer: each 1 uM
 dNTPs: each 200 uM
 AmpliTaq Gold Polymerase: 0.07 units/ul
 Total Vol: 5 ul

Buffer:

MgCl₂: 2.5 mM
 KCl: 50 mM
 Tris-HCl: 10 mM
 pH: 8.3

Prepared with primer pairs derived from AA004887 -- Unigene.

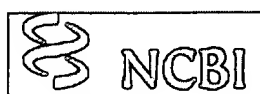
FEATURES
 source 1..451


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/mol_type="genomic DNA"
/db_xref="taxon:9606"
/map="11"
/clone_lib="Human"
STS
primer_bind 49..302
primer_bind 49..68
primer_bind complement(283..302)
BASE COUNT 134 a 77 c 97 g 142 t 1 others
ORIGIN
1 gcagaggcct ccacttttta ttccagttgt actcatctgt cccactgtgc aaatggagtc
61 acacgctcac tcaattctga gaggcctggc aagnaaagag aaaagatgcc cagagcagtc
121 tgttagagtt gcattctcag actaatatct ttacagtctt gagaaatcac tgtcaggggt
181 tatttaaaat gcagattttt gaaggataaa ttttacgact aatttttttt aataaactat
241 gcaggattgt tatttagaag atttgccaaa tttagagtct tcagcgatgg aaataattgg
301 ctttcttgtc acagtcttct gtttataagt gggtaaagaa agttttcttt ccagaaaaat
361 acagcagaaa atccgatggg tctgatagga gtttaattgt gagatgtgcc agagacagca
421 gcttcgtgga tgggtgacacc acaatgtctg t
//
```

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☐ 1: AA004887. zh90g01.s1 Soares...[gi:1447704][Links](#)**IDENTIFIERS**

dbEST Id: 615134
EST name: zh90g01.s1
GenBank Acc: AA004887
GenBank gi: 1447704
GDB Id: 1328361

CLONE INFO

Clone Id: IMAGE:428592 (3')
Source: IMAGE Consortium, LLNL
DNA type: cDNA

PRIMERS

Sequencing: mob.REGA+ET
PolyA Tail: Unknown

SEQUENCE

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GCAGAGGCCTCCACTTTTTATTTTCAGTTGTACTCATCTGTCCCACTGTGCAAATGGAGTC
ACACGCTCACTCAATTCTGAGAGGCCTGGCAAGNAAAGAGAAAAGATGCCAGAGCAGTC
TGTTAGAGTTGCATTCTCAGACTAATATCTTTACAGTCTTGAGAAATCACTGTCAGGGTT
TATTTAAATGCAGATTTTGAAGGATAAATTTACGACTAATTTTTTTAATAAACTAT
GCAGGATTGTTATTTAGAAGATTTGCCAATTTAGAGTCTTCAGCGATGGAAATAATTGG
CCTTCTTGTCACAGTCTTCTGTTTATAAGTGGGTAAAGAAAGTTTTCTTTCCAGAAAAAT
ACAGCAGAAAATCCGATGGTTCTGATAGGAGTTAATTGTGGAGATGTGCCAGAGACAGCA
GCTTCGTGGATGGTGACACCACAATGTCTGT
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Quality: High quality sequence stops at base: 429

Entry Created: Jul 23 1996

Last Updated: Jul 23 1996

COMMENTS

This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.

LIBRARY

Lib Name: Soares_fetal_liver_spleen_1NFLS_S1
Organism: Homo sapiens
Sex: male
Organ: Liver and Spleen
Develop. stage: 20 week-post conception fetus
Lab host: DH10B (ampicillin resistant)
Vector: pT7T3D (Pharmacia) with a modified polylinker
R. Site 1: Pac I
R. Site 2: Eco RI
Description: This is a subtracted version of the original Soares fetal liver spleen 1NFLS library. 1st strand cDNA was primed with

a Pac I - oligo(dT) primer [5' AACTGGAAGAATTAATTAAAGATCTTTTTTTTTTTTTTTTTT 3'], double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Pac I and cloned into the Pac I and Eco RI sites of the modified pT7T3 vector. Library went through one round of normalization. Library constructed by Bento Soares and M.Fatima Bonaldo.

SUBMITTER

Name: Wilson RK
Institution: Washington University School of Medicine
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
E-mail: est@watson.wustl.edu

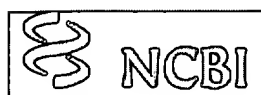
CITATIONS

Title: The WashU-Merck EST Project
Authors: Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P., Wilson,R.
Year: 1995
Status: Unpublished

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☐ 1: AA281006.zs94a06.s1 NCI_CG...[gi:1923895]

Links

IDENTIFIERS

dbEST Id: 922124
EST name: zs94a06.s1
GenBank Acc: AA281006
GenBank gi: 1923895
GDB Id: 5854830

CLONE INFO

Clone Id: IMAGE:705106 (3')
Source: IMAGE Consortium, LLNL
Insert length: 845
DNA type: cDNA

PRIMERS

Sequencing: -41m13 fwd. ET from Amersham
PolyA Tail: Unknown

SEQUENCE

TTTTTTTTTTTAATTAGCTGTTCTTGTCATATAGTTTTATTCTTTATCTTTTTTTGAAC
ATTTTATACACCCTTATTTCAATGTTCTTTTAGATCACTCTATTCTCTTTACTCTCTGG
GCTTTGAATCTCCTTGTTTCTTGATCTGCTGCCTCTCTTTGGGATACCTGGGAGTTTTT
CCTCTGACCTCGTCTTCAGTAGGAAATGATTTTCCATGAGAATCCTGGTTCCCCTGGATG
AGGACGGTGTCTCCTGGGGAGAATGTCCTGTT

Quality: High quality sequence stops at base: 252

Entry Created: Mar 17 1997

Last Updated: Aug 14 1997

COMMENTS

This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.

LIBRARY

Lib Name: NCI_CGAP_GCB1
Organism: Homo sapiens
Tissue type: germinal center B cell
Lab host: DH10B
Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker
R. Site 1: Not I
R. Site 2: Eco RI
Description: 1st strand cDNA was prepared from human tonsillar cells enriched for germinal center B cells by flow sorting (CD20+, IgD-), provided by Dr. Louis M. Staudt (NCI), Dr. David Allman (NCI) and Dr. Gerald Marti (CBER). cDNA synthesis was primed with a Not I - oligo(dT) primer
[5'-TGTTACCAATCTGAAGTGGGAGCGGCCGCCTCATTTTTTTTTTTTTTTTTT-3'].

Double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified pT7T3 vector. Library went through one round of normalization, and was constructed by Bento Soares and M. Fatima Bonaldo.

SUBMITTER

Name: Robert Strausberg, Ph.D.
E-mail: cgapbs-r@mail.nih.gov

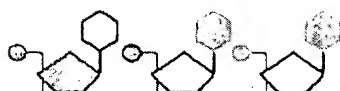
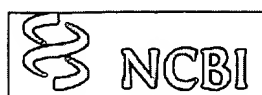
CITATIONS

Title: National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index
Authors: NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>
Year: 1997
Status: Unpublished

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☐ 1: AA490819. aa49f05.s1 NCI_CG...[gi:2219992]

Links

IDENTIFIERS

dbEST Id: 1135060
EST name: aa49f05.s1
GenBank Acc: AA490819
GenBank gi: 2219992

CLONE INFO

Clone Id: IMAGE:824289 (3')
Source: NCI
DNA type: cDNA

PRIMERS

Sequencing: -41m13 fwd. ET from Amersham
PolyA Tail: Unknown

SEQUENCE

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ACTATATATTTTTTTTGTCTCATCACCAGCCAGAATACAAATGGAATCCTATGAATATT  
CTAAAGCATAATGAGGAAGGGGCTCCAGGCTAAATGCAAGTATCCTTGATTAATGTTTTTC  
CCCACCACTGGGAATCACCTCCCCGCTCCCCTGAAGCTTCCCCACAAGGTGCGGGGGG  
AAGCAGGAGAAAAAAGG
```

Entry Created: Jun 25 1997
Last Updated: Aug 15 1997

COMMENTS

Tissue Procurement: Louis M. Staudt, M.D., Ph.D., David
Allman, Ph.D., Gerald Marti, M.D.
cDNA Library Preparation: M. Bento Soares, Ph.D., M. Fatima
Bonaldo, Ph.D.
cDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing
Center
Clone distribution: NCI-CGAP clone distribution information
can be found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html

LIBRARY

Lib Name: NCI_CGAP_GCB1
Organism: Homo sapiens
Tissue type: germinal center B cell
Lab host: DH10B
Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker
R. Site 1: Not I
R. Site 2: Eco RI
Description: 1st strand cDNA was prepared from human tonsillar cells

enriched for germinal center B cells by flow sorting (CD20+, IgD-), provided by Dr. Louis M. Staudt (NCI), Dr. David Allman (NCI) and Dr. Gerald Marti (CBER). cDNA synthesis was primed with a Not I - oligo(dT) primer [5'-TGTTACCAATCTGAAGTGGGAGCGGCCGCCTCATTTTTTTTTTTTTTTTTT-3']. Double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified pT7T3 vector. Library went through one round of normalization, and was constructed by Bento Soares and M. Fatima Bonaldo.

SUBMITTER

Name: Robert Strausberg, Ph.D.
E-mail: cgapbs-r@mail.nih.gov

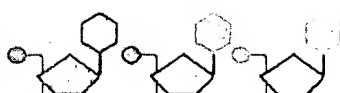
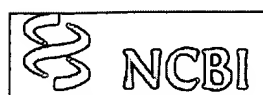
CITATIONS

Title: National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index
Authors: NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>
Year: 1997
Status: Unpublished

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Show: ☐ 1: AA490870. aa48b07.s1 NCI_CG...[gi:2220043][Links](#)**IDENTIFIERS**

dbEST Id: 1135111
EST name: aa48b07.s1
GenBank Acc: AA490870
GenBank gi: 2220043

CLONE INFO

Clone Id: IMAGE:824149 (3')
Source: NCI
DNA type: cDNA

PRIMERS

Sequencing: -41m13 fwd. ET from Amersham
PolyA Tail: Unknown

SEQUENCE

TTTTTTTTTCACTGTCACCATGAATTTAAATTTATTGAGTGCCCCACAAATGCTAGTCTA
TTCTCAGTACATTTGATGAACACCATTTCTTTATCTCTAAAGGATGAGAGAATATTTGCT
ACTATATATTTTTTTTTGCTCATCACCAGCCAGAATACAAATGGAATCCTATGAATATT
CTAAAGCATAATGAGGAAGGGGCTCCAGGCTAAATGCAAGTATCCTTGATTAATGTTTTTC
CCCACCACTGGGAATCACCTCCCCGCTCCCTGAAGCTTCCCCACAAGGTGCGGGGGG
AAGCAGGAGAAAAAAGGAAGAGCCAAGGTATACTCCTGATAACGACACAAAATTGAG
CAGTAGTAC

Quality: High quality sequence stops at base: 327

Entry Created: Jun 25 1997

Last Updated: Aug 15 1997

COMMENTS

Tissue Procurement: Louis M. Staudt, M.D., Ph.D., David
Allman, Ph.D., Gerald Marti, M.D.
cDNA Library Preparation: M. Bento Soares, Ph.D., M. Fatima
Bonaldo, Ph.D.
cDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing
Center
Clone distribution: NCI-CGAP clone distribution information
can be found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html

LIBRARY

Lib Name: NCI_CGAP_GCB1
Organism: Homo sapiens
Tissue type: germinal center B cell
Lab host: DH10B
Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker
R. Site 1: Not I

R. Site 2: Eco RI
Description: 1st strand cDNA was prepared from human tonsillar cells enriched for germinal center B cells by flow sorting (CD20+, IgD-), provided by Dr. Louis M. Staudt (NCI), Dr. David Allman (NCI) and Dr. Gerald Marti (CBER). cDNA synthesis was primed with a Not I - oligo(dT) primer [5'-TGTTACCAATCTGAAGTGGGAGCGGCCGCCTCATTTTTTTTTTTTTTTTTT-3']. Double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified pT7T3 vector. Library went through one round of normalization, and was constructed by Bento Soares and M. Fatima Bonaldo.

SUBMITTER

Name: Robert Strausberg, Ph.D.
E-mail: cgapbs-r@mail.nih.gov


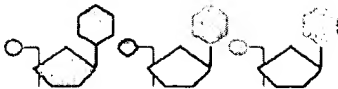

CITATIONS

Title: National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index
Authors: NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>
Year: 1997
Status: Unpublished

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PubMed Nucleotide Protein Genome Structure PMC Taxonomy OMIM Bio

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☐ 1: N71063. za86a11.s1 Soares...[gi:1227643]

[Links](#)

IDENTIFIERS

dbEST Id: 477157
EST name: za86a11.s1
GenBank Acc: N71063
GenBank gi: 1227643
GDB Id: 1244344

CLONE INFO

Clone Id: IMAGE:299420 (3')
Source: IMAGE Consortium, LLNL
DNA type: cDNA

PRIMERS

Sequencing: m13 -40 forward
PolyA Tail: Unknown

SEQUENCE

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GAGAATGAATGTAGGACAAGTGTTAGGAAACATGGCAATAAATTAGAATATAATTTACAA  
AAGCAAAAAAATTAACAGTGTACCACATTATTACTGAGTATAAAATAATAAGCAACAAC  
AATCACAATAATACAAAGGTAATTTTCGTTCTGTGTTACTGAGGATACCTATGTGACATTC  
ATTCAAACAAAAAAGTTCCTAATGAAATGGACTATTTGGGAAATCATATGTATCTCACGG  
GGTTTAATCATTAGGGTACATTTACCGTTCCTTTTTTAGTAGGACTTTATCCCAGTGCGA  
GATACTGCTCCCAGGTGTAAG
```

Quality: High quality sequence stops at base: 344

Entry Created: Mar 14 1996
Last Updated: Mar 14 1996

COMMENTS

This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.

LIBRARY

Lib Name: Soares_fetal_lung_NbHL19W
Organism: Homo sapiens
Organ: lung
Develop. stage: 19 weeks
Lab host: DH10B (ampicillin resistant)
Vector: pT7T3D (Pharmacia) with a modified polylinker
R. Site 1: Not I
R. Site 2: Eco RI
Description: 1st strand cDNA was primed with a Not I - oligo(dT) primer [5'-TGTTACCAATCTGAAGTGGGAGCGGCCGCAATTTTTTTTTTTTTTTTTT-3'], double-stranded cDNA was size selected, ligated to Eco RI

adapters (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of a modified pT7T3 vector (Pharmacia). Library went through one round of normalization to a Cot = 5. Library constructed by Bento Soares and M.Fatima Bonaldo. This library was constructed from the same fetus as the fetal heart library, Soares fetal heart NbHH19W.

SUBMITTER

Name: Wilson RK
Institution: Washington University School of Medicine
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
E-mail: est@watson.wustl.edu

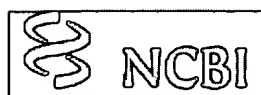
CITATIONS

Title: The WashU-Merck EST Project
Authors: Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P., Wilson,R.
Year: 1995
Status: Unpublished

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1: AA243738. zr68c12.s1 Soares...[gi:1874531]

Links

IDENTIFIERS

dbEST Id: 883127
EST name: zr68c12.s1
GenBank Acc: AA243738
GenBank gi: 1874531
GDB Id: 5562533

CLONE INFO

Clone Id: IMAGE:668566 (3')
Source: IMAGE Consortium, LLNL
DNA type: cDNA

PRIMERS

Sequencing: -41m13 fwd. ET from Amersham
PolyA Tail: Unknown

SEQUENCE

```
TTTTTTTTTTTTTATTGTGAACACAATTTTCTTTATTTTCATTTTTGGAGTTTTCTGAACAG
AAAAATACAATTGATTTTCTGTATATTGATCTAGCCTGTGACCTTGCTGAACTTGATTAA
TTCTATTACACTATGATTTTTTGTGTGGTTAGACCCTTACACAATCAAATGAGGTTAAA
AAAAAATTGTCAGAGTGGCCCCAGACCAACAACAGGATGACAGTAGCCTTTGCCATACA
GAGATAAAATTTAGTTTTTGCAGTCCTTTCCCATAGAGATTGTATGGCAGTAGCAATTCT
ATGGCCTACTGCCATACAACCTGAACTGAAGTCCAGAAAGTTTAGGTGACTGGGCCACAG
AGCTAATTACTGGTGGAGCCAAGAAGAGAAATTATATCCCTACCTCCTTGCCCACTAAGC
TCCCCATTCCAGTGGGCTGCTTTCTGGT
```

Quality: High quality sequence stops at base: 349

Entry Created: Mar 7 1997

Last Updated: Mar 7 1997

COMMENTS

This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.

LIBRARY

Lib Name: Soares_NhHMPu_S1
Organism: Homo sapiens
Organ: mixed (see below)
Tissue type: Pooled human melanocyte, fetal heart, and pregnant uterus
Lab host: DH10B
Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker
R. Site 1: Not I
R. Site 2: Eco RI
Description: Equal amounts of plasmid DNA from three normalized libraries (melanocyte 2NbHM, pregnant uterus NbHPU, and fetal heart NbHH19W) were mixed, and ss circles were made in vitro.

Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified cDNAs from pools of 5,000 clones made from the same 3 libraries. The pools consisted of I.M.A.G.E. clones 260232-265223, 340488-345479, and 484488-489479.

SUBMITTER

Name: Wilson RK
Institution: Washington University School of Medicine
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
E-mail: est@watson.wustl.edu

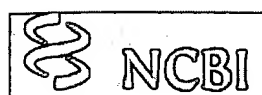
CITATIONS

Title: The WashU-Merck EST Project
Authors: Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.,
Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P.,
Wilson,R.
Year: 1995
Status: Unpublished

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1: AA411711.zv16d08.s1 Soares...[gi:2069500]

Links

IDENTIFIERS

dbEST Id: 1054955
EST name: zv16d08.s1
GenBank Acc: AA411711
GenBank gi: 2069500
GDB Id: 5976674

CLONE INFO

Clone Id: IMAGE:753807 (3')
Source: IMAGE Consortium, LLNL
DNA type: cDNA

PRIMERS

Sequencing: -41m13 fwd. ET from Amersham
PolyA Tail: Unknown

SEQUENCE

GCAGCCGCTCCTAAGAACCTGCTGCTGGGTCCCGCAAGCCCAAGGAGCCAGCTGTGGT
GCGGCCGAGGAGCCTGTGGCAGCGGCACATGGCATGCCAGAGGTAAAAAACGACGGCGG
CGGAACAGAAGCTGGCATCTCCCAGCCATCCTATGCAGCAGACGCCAACGACAGCAAGG
CCGAGTACTCAGACGTCCTGGCCAAGCTGGCTTCCTGAACCGCCAGAGCCAGTGCCTGG
ACGGTGCTCACCGCCCCGCTGCTGGACACCCAGTGAGCCGGAG

Entry Created: May 2 1997
Last Updated: May 17 1997

COMMENTS

This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.
Possible reversed clone: polyT not found

LIBRARY

Lib Name: Soares_NhHMPu_S1
Organism: Homo sapiens
Organ: mixed (see below)
Tissue type: Pooled human melanocyte, fetal heart, and pregnant uterus
Lab host: DH10B
Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker
R. Site 1: Not I
R. Site 2: Eco RI
Description: Equal amounts of plasmid DNA from three normalized libraries (melanocyte 2NbHM, pregnant uterus NbHPU, and fetal heart NbHH19W) were mixed, and ss circles were made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified cDNAs from pools of 5,000 clones made from the

same 3 libraries. The pools consisted of I.M.A.G.E. clones
260232-265223, 340488-345479, and 484488-489479.

SUBMITTER

Name: Wilson RK
Institution: Washington University School of Medicine
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
E-mail: est@watson.wustl.edu


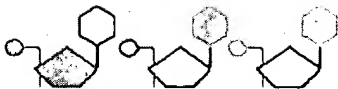

CITATIONS

Title: WashU-Merck EST Project 1997
Authors: Hillier,L., Allen,M., Bowles,L., Dubuque,T., Geisel,G., Jost
,S., Kucaba,T., Lacy,M., Le,N., Lennon,G., Marra,M., Martin
,J., Moore,B., Schellenberg,K., Steptoe,M., Tan,F., Theising
,B., White,Y., Wylie,T., Waterston,R., Wilson,R.
Year: 1997
Status: Unpublished

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1: N73808. yz80g07.s1 Soares...[gi:1231093]

Links

IDENTIFIERS

dbEST Id: 479945
EST name: yz80g07.s1
GenBank Acc: N73808
GenBank gi: 1231093
GDB Id: 3905244

CLONE INFO

Clone Id: IMAGE:289404 (3')
Source: IMAGE Consortium, LLNL
DNA type: cDNA

PRIMERS

Sequencing: m13 -40 forward
PolyA Tail: Unknown

SEQUENCE

CTCTTTGAGTAAC TTTATTTTGGAGGAGTTCCATAAGCATTAGGAACATACATAAAATGA
CACACCACTGTTGACAATGAAAAAAAAAACAGCATTGATATTTTCCAGCTTTTAAAGTT
AAAAAATGATTCAGTTAAACAAAACAAAAGTTTAGATATTTTAG

Quality: High quality sequence stops at base: 144

Entry Created: Mar 19 1996
Last Updated: Mar 19 1996

COMMENTS

This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.

LIBRARY

Lib Name: Soares_multiple_sclerosis_2NbHMSP
Organism: Homo sapiens
Sex: male
Tissue type: multiple sclerosis lesions
Develop. stage: Age 46
Lab host: DH10B (ampicillin resistant)
Vector: pT7T3D (Pharmacia) with a modified polylinker V_TYPE:
phagemid
R. Site 1: Not I
R. Site 2: Eco RI
Description: 1st strand cDNA was primed with a Not I - oligo(dT) primer [5' TGTTACCAATCTGAAGTGGGAGCGGCCGATTTTTTTTTTTTTTTTTTTT 3'], double-stranded cDNA was size selected, ligated to Eco RI adapters (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of a modified pT7T3 vector (Pharmacia). Library went through one round of normalization

to a Cot = 5. Library constructed by Bento Soares and M.Fatima Bonaldo. RNA from 4 multiple sclerosis lesions from one patient was kindly provided by Dr. Kevin G. Becker (NINDS/NIH) .

SUBMITTER

Name: Wilson RK
Institution: Washington University School of Medicine
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
E-mail: est@watson.wustl.edu

CITATIONS

Title: The WashU-Merck EST Project
Authors: Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.,
Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P.,
Wilson,R.
Year: 1995
Status: Unpublished

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1: AI699181.tx61e11.x1 NCI_CG...[gi:4987081]

Links

IDENTIFIERS

dbEST Id: 2603719
EST name: tx61e11.x1
GenBank Acc: AI699181
GenBank gi: 4987081

CLONE INFO

Clone Id: IMAGE:2274092 (3')
Source: NCI
Insert length: 2085
DNA type: cDNA

PRIMERS

Sequencing: -40UP from Gibco
PolyA Tail: Unknown

SEQUENCE

GCTCTCTTTGAGTAACTTTATTTTGGAGGAGTTCCATAAGCATTAGGAACATACATAAAA
TGACACACCACTGTTGACAATGAAAAAAAAAACAGCATTGATATTTCCAGCTTTTAA
GTTAAAAAATGATTTCAGTTAAAACAAAACAAAAGTTTAGATATTTAGCAAGAATCACCT
TGCAGGACCATAATCACATTTAAGCCACTGACT

Quality: High quality sequence stops at base: 200

Entry Created: Jun 3 1999
Last Updated: Dec 16 1999

COMMENTS

Tissue Procurement: Christopher Moskaluk, M.D., Ph.D.,
Michael R. Emmert-Buck, M.D., Ph.D.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing
Center
Clone distribution: NCI-CGAP clone distribution information
can be found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html

LIBRARY

Lib Name: NCI_CGAP_Ut1
Organism: Homo sapiens
Organ: uterus
Tissue type: well-differentiated endometrial adenocarcinoma, 7 pooled
tumors
Lab host: DH10B
Vector: pCMV-SPORT6
R. Site 1: SalI
R. Site 2: NotI

Description: Cloned unidirectionally. Primer: Oligo dT. Average insert size 1.75 kb. Life Technologies catalog #: 11538-014

SUBMITTER

Name: Robert Strausberg, Ph.D.
E-mail: cgapbs-r@mail.nih.gov

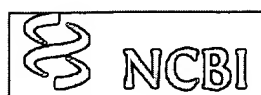
CITATIONS

Title: National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index
Authors: NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>
Year: 1997
Status: Unpublished

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☐ 1: R50866. yg62h08.s1 Soares...[gi:812768]

Links

IDENTIFIERS

dbEST Id: 220931
EST name: yg62h08.s1
GenBank Acc: R50866
GenBank gi: 812768
GDB Id: 410107

CLONE INFO

Clone Id: IMAGE:37566 (3')
Insert length: 1925
DNA type: cDNA

PRIMERS

Sequencing: Promega -21m13
PolyA Tail: Unknown

SEQUENCE

TTTTTTTTTCTCTTTGAGTAACTTTATTTTGGAGGAGTTCCATAAGCATTAGGAACATAC
ATAAAATGACACACCACTGTTGACAATGAAAAAAAAAACAGCATTTGATATTTTCCAGCT
TTTAAAGTTAAAAATGATTCAAGTTAAACAAAAAGTTTAGATATTTTAGCAAGAA
TCACCTTGACAGGACCATAATCACATTTAAGCCACTGACTTGTTTGTGTTAATGGAAAA
ANTTCACACTGCATCTNGTTACTATAGTATTTCTAGGGCATA

Quality: High quality sequence stops at base: 251

Entry Created: May 18 1995
Last Updated: May 18 1995

COMMENTS

Insert Size: 1925
High quality sequence stops: 251 Source: IMAGE Consortium,
LLNL This clone is available royalty-free through LLNL ;
contact the IMAGE Consortium (info@image.llnl.gov) for
further information.

LIBRARY

Lib Name: Soares infant brain 1NIB
Organism: Homo sapiens
Sex: female
Organ: whole brain
Develop. stage: 73 days post natal
Lab host: DH10B (ampicillin resistant)
Vector: Lafmid BA
R. Site 1: Not I
R. Site 2: Hind III
Description: 1st strand cDNA was primed with a Not I - oligo(dT) primer
[5' AACTGGAAGAATTCGCGGCCGAGGAATTTTTTTTTTTTTTTTTT 3'];
double-stranded cDNA was ligated to Hind III adaptors

(Pharmacia), digested with Not I and directionally cloned into the Not I and Hind III sites of the Lafmid BA vector. Library went through one round of normalization. Library constructed by Bento Soares and M.Fatima Bonaldo.

SUBMITTER

Name: Wilson RK
Institution: Washington University School of Medicine
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
E-mail: est@watson.wustl.edu

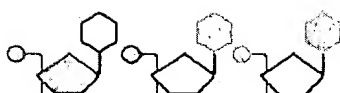
CITATIONS

Title: The WashU-Merck EST Project
Authors: Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.,
, Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P.,
Wilson,R.
Year: 1995
Status: Unpublished

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Show: ☐ 1: AI910763. wg96h11.x1 NCI_CG...[gi:5630499]

Links

IDENTIFIERS

dbEST Id: 3032729
EST name: wg96h11.x1
GenBank Acc: AI910763
GenBank gi: 5630499

CLONE INFO

Clone Id: IMAGE:2379141 (3')
Source: NCI
Insert length: 1427
DNA type: cDNA

PRIMERS

Sequencing: -40UP from Gibco
PolyA Tail: Unknown

SEQUENCE

GCTCTCTTTGAGTAACTTTATTTTGGAGGAGTTCCATAAGCATTAGGAACATACATAAAA
TGACACACCACTGTTGACAATGAAAAAAAAAACAGCATTGATATTTTCCAGCTTTTAA
GTTAAAAAATGATTCAGTTAAACAAAACAAAGTTTAGATATTTAGCAAGAATCACCT
TGCAGGACCATAATCACATTTAAGCCACTGACTTGTTTGTGTTAATGGAAAAAATTCA
CACTGCATCCTAGTTACTATAGTATTTCTAAGCATAATCAATCACAGCTGATTGATTGAA
TG

Quality: High quality sequence stops at base: 297

Entry Created: Jul 28 1999
Last Updated: Dec 20 1999

COMMENTS

Tissue Procurement: Christopher Moskaluk, M.D., Ph.D.,
Michael R. Emmert-Buck, M.D., Ph.D.
cDNA Library Preparation: M. Bento Soares, Ph.D.
cDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing
Center
Clone distribution: NCI-CGAP clone distribution information
can be found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html

LIBRARY

Lib Name: NCI_CGAP_Kid11
Organism: Homo sapiens
Organ: kidney
Lab host: DH10B
Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker
R. Site 1: Not I
R. Site 2: Eco RI

Description: Plasmid DNA from the normalized library NCI_CGAP_Kid3 was prepared, and ss circles were made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified cDNAs from a pool of 5,000 clones made from the same library (cloneIDs 1322376-1323911, 1456007-1456775, and 1500552-1502855). Subtraction by Bento Soares and M. Fatima Bonaldo.

SUBMITTER

Name: Robert Strausberg, Ph.D.
E-mail: cgapbs-r@mail.nih.gov

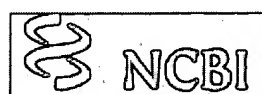
CITATIONS

Title: National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index
Authors: NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>
Year: 1997
Status: Unpublished

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Show: ☐ 1: AI351615. qr07f12.x1 Soares...[gi:4088821]

Links

IDENTIFIERS

dbEST Id: 2135429
EST name: qr07f12.x1
GenBank Acc: AI351615
GenBank gi: 4088821

CLONE INFO

Clone Id: IMAGE:1940207 (3')
Source: NCI
DNA type: cDNA

PRIMERS

Sequencing: -40UP from Gibco
PolyA Tail: Unknown

SEQUENCE

```
TTTTTTTTTGCTCTCTTTGAGTAACTTTATTTTGGAGGAGTTCCATAAGCATTAGGAACAT  
ACATAAAATGACACACCACTGTTGACAATGAAAAAAAAAACAGCATTGATATTTTCCAG  
CTTTTAAAGTTAAAAATGATTCAGTTAAACAAAACAAAAGTTTAGATATTTTAGCAAG  
AATCACCTTGCAGGACCATAATCACATTTAAGCCACTGACTTGTTTGTGTTAATGGAA  
AAAATTCACACTGCATCTAGTTACTATAGTATTTCTAAGCATAATCAATCAATCACAGCT  
GATTGATTGAATGCAATGTGATTGATTGATTGATTGATTGATTGATATATACCAAATTC
```

Quality: High quality sequence stops at base: 310

Entry Created: Dec 30 1998

Last Updated: Dec 30 1998

COMMENTS

This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.

LIBRARY

Lib Name: Soares_total_fetus_Nb2HF8_9w
Organism: Homo sapiens
Develop. stage: 8-9 weeks
Lab host: DH10B
Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker
R. Site 1: Not I
R. Site 2: Eco RI
Description: 1st strand cDNA was prepared from mRNA obtained from pooled 8-9 week (total) fetus material with a Not I - oligo(dT) primer [5' TGTTACCAATCTGAAGTGGGAGCGGCCGCTTAATTTTTTTTTTTTTTTTTT 3']. Double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified pT73 vector. Library went

through one round of normalization, and was constructed by Bento Soares and M. Fatima Bonaldo.

SUBMITTER

Name: Robert Strausberg, Ph.D.
E-mail: cgapbs-r@mail.nih.gov

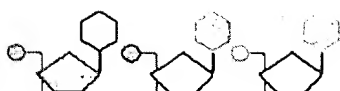
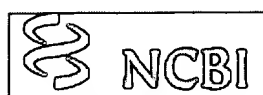
CITATIONS

Title: National Cancer Institute, Cancer Genome Anatomy Project
(CGAP), Tumor Gene Index
Authors: NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>
Year: 1997
Status: Unpublished

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☐ 1: AA043474. zk54e09.s1 Soares...[gi:1521330][Links](#)**IDENTIFIERS**

dbEST Id: 658848
EST name: zk54e09.s1
GenBank Acc: AA043474
GenBank gi: 1521330
GDB Id: 3760378

CLONE INFO

Clone Id: IMAGE:486664 (3')
Source: IMAGE Consortium, LLNL
DNA type: cDNA

PRIMERS

Sequencing: -40M13 fwd. from Amersham
PolyA Tail: Unknown

SEQUENCE

CTCTTTGAGTAAC TTTATTTTGGAGGAGTTCCATAAGCATTAGGAACATACATAAAATGA
CACACCACTGTTGACAATGAAAAAAAAAACAGCATTGATATTTTCCAGCTTTTAAAGTT
AAAAAATGATTCAGTTAAACAAAACAAAAGTTTAGATATTTTAGCAAGAATCACCTTGC
AGGACCATAATCACATTTAAGCCACTGACTTGTTTGTGTTAATGGAAAAAATTCACAC
TGCATCTAGTTACTATAGTATTTCTAAGCATAATCAATCACAGCTGATTGATTGAATGCA
ATGTGATTGATTGATTGATTGATTGATATATACCAAATTCATGATGGATCGTCACACAG
TGACAGCCATTGTACAAGTAA

Quality: High quality sequence stops at base: 301

Entry Created: Sep 4 1996

Last Updated: Sep 4 1996

COMMENTS

This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.

LIBRARY

Lib Name: Soares_pregnant_uterus_NbHPU
Organism: Homo sapiens
Sex: female
Organ: uterus
Develop. stage: adult
Lab host: DH10B
Vector: pT7T3-Pac
R. Site 1: Not I
R. Site 2: Eco RI
Description: 1st strand cDNA was primed with a Not I - oligo(dT) primer [5' AACTGGAAGAATTCGCGGCCGCTTTTTTTTTTTTTTTTTT 3'], double-stranded cDNA was ligated to Eco RI adaptors

(Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified pT7T3 vector. Library went through one round of normalization. Library constructed by M. Fatima Bonaldo.

SUBMITTER

Name: Wilson RK
Institution: Washington University School of Medicine
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
E-mail: est@watson.wustl.edu

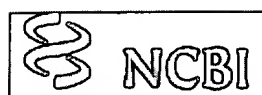
CITATIONS

Title: The WashU-Merck EST Project
Authors: Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.,
, Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P.,
Wilson,R.
Year: 1995
Status: Unpublished

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Show: ☐ 1: H08164. y187e01.s1 Soares...[gi:872986][Links](#)**IDENTIFIERS**

dbEST Id: 268044
EST name: y187e01.s1
GenBank Acc: H08164
GenBank gi: 872986
GDB Id: 417486

CLONE INFO

Clone Id: IMAGE:44945 (3')
DNA type: cDNA

PRIMERS

Sequencing: Promega -21m13
PolyA Tail: Unknown

SEQUENCE

```
TTTTTTTTTTTTTCTCTTTGAGTAACTTTATTTTGGAGGAGTTCATAAGCATTAGGAAC
ATACATAAAATGACACACCACTGTTGACAATGAAAAAAAAAACAGCATTGATATTTTCC
AGCTTTTTTAAGTTAAAAAATGATTCAGTTAAACAAAACAAAAGTTTAGATATTTAGCA
AGANTCACCTTGCAGGACCATAATCACATTTAAGCCACTGGACTTGTTTGTGTTAATG
GAAAAAATTCACACTGCATCTAGTTACTATAGTATTTCTAAGCATAATCAATCAATCACA
GGCTGATTGATTGAATGCAATGTGATTGATTGATTGATTGATATATACCAAATTTATAT
GGGATGTACACAGTGACAGCCATTGTACAGGTAACGTTTAATGGACCTCCC
```

Quality: High quality sequence stops at base: 337

Entry Created: Jun 23 1995

Last Updated: Jun 23 1995

COMMENTS

High quality sequence stops: 337
Source: IMAGE Consortium, LLNL
This clone is available royalty-free through LLNL ; contact
the IMAGE Consortium (info@image.llnl.gov) for further
information.

LIBRARY

Lib Name: Soares infant brain 1NIB
Organism: Homo sapiens
Sex: female
Organ: whole brain
Develop. stage: 73 days post natal
Lab host: DH10B (ampicillin resistant)
Vector: Lafmid BA
R. Site 1: Not I
R. Site 2: Hind III
Description: 1st strand cDNA was primed with a Not I - oligo(dT) primer
[5' AACTGGAAGAATTCGCGGCCGAGGAATTTTTTTTTTTTTTTTTT 3'];

double-stranded cDNA was ligated to Hind III adaptors (Pharmacia), digested with Not I and directionally cloned into the Not I and Hind III sites of the Lafmid BA vector. Library went through one round of normalization. Library constructed by Bento Soares and M.Fatima Bonaldo.

SUBMITTER

Name: Wilson RK
Institution: Washington University School of Medicine
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
E-mail: est@watson.wustl.edu

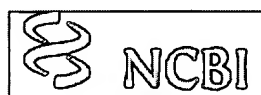
CITATIONS

Title: The WashU-Merck EST Project
Authors: Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.,
Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P.,
Wilson,R.
Year: 1995
Status: Unpublished

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Show: 20

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1: AI049699. an33d09.x1 Gessle...[gi:3298816]

Links

IDENTIFIERS

dbEST Id: 1789149
EST name: an33d09.x1
GenBank Acc: AI049699
GenBank gi: 3298816

CLONE INFO

Clone Id: IMAGE:1700465 (3')
Source: IMAGE Consortium, LLNL
DNA type: cDNA

PRIMERS

Sequencing: -40m13 fwd. ET from Amersham
PolyA Tail: Unknown

SEQUENCE

TTTTTTTTTTTTTCTCTTTGAGTAACTTTATTTTGGAGGAGTTCCATAAGCATTAGGAAC
ATACATAAAATGACACACCACTGTTGACAATGAAAAAAAAAACAGCATTGATATTTTCC
AGCTTTTTTAAGTTAAAAAATGATTCAGTTAAACAAAAACAAAAGTTTAGATATTTAGCA
AGAATCACCTTGCAGGACCATAATCACATTTAAGCCACTGACTTGTTTGTGTTAATGG
AAAAAATTCACACTGCATCTAGTTACTATAGTATTTCTAAGCATAATCAATCACAGCTGA
TTGATTGAATGCAATGTGATTGATTGATTGATTGATTGATATATACCAAATTCATATGG
ATGTCACACAGTGACAGCATTGTACAAGTAACGTTAATGACCTCCAACAAACACATTTTA
AAT

Entry Created: Jul 9 1998
Last Updated: Jul 9 1998

COMMENTS

This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.

LIBRARY

Lib Name: Gessler Wilms tumor
Organism: Homo sapiens
Sex: pooled (6)
Lab host: DH10B
Vector: pSPORT1
R. Site 1: SalI
R. Site 2: NotI
Description: RNA was prepared from a pool of 6 anonymous Wilms' tumor RNAs. RNA was prepared by acid-phenol, followed by one round of oligo dT selection. cDNA library preparation was with the BRL/Life Tech. Superscript Plasmid system. An oligo-dT NotI primer for first strand synthesis generated gcgccgccc(t)n at the 3' end of the clones. A 5' SalI adaptor was used with

sequence 5'-gtcgacccacgcgtccg-3'. Resulting cDNAs were size selected (average size 2 kb), NotI digested, and ligated into NotI/SalI-cut pSPORT1. Library was constructed by Dr. Manfred Gessler.

SUBMITTER

Name: Wilson RK
Institution: Washington University School of Medicine
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
E-mail: est@watson.wustl.edu

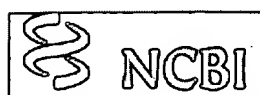
CITATIONS

Title: WashU-NCI human EST Project
Authors: Hillier,L., Allen,M., Bowles,L., Dubuque,T., Geisel,G., Jost ,S., Krizman,D., Kucaba,T., Lacy,M., Le,N., Lennon,G., Marra ,M., Martin,J., Moore,B., Schellenberg,K., Steptoe,M., Tan ,F., Theising,B., White,Y., Wylie,T., Waterston,R., Wilson ,R.
Year: 1997
Status: Unpublished

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1: AW592865. hg04b07.x1 Soares...[gi:7280057]

Links

IDENTIFIERS

dbEST Id: 4025715
EST name: hg04b07.x1
GenBank Acc: AW592865
GenBank gi: 7280057

CLONE INFO

Clone Id: IMAGE:2944597 (3')
Source: NCI
DNA type: cDNA

PRIMERS

Sequencing: -40UP from Gibco
PolyA Tail: Unknown

SEQUENCE

TTTTTCTCTTTGAGTAACTTTATTTTGGAGGAGTTCATAAGCATTAGGAACATACATAA
AATGACACACCACTGTTGACAATGAAAAAAAAAACAGCATTTGATATTTTCCAGCTTTTT
AAGTTAAAAAATGATTTCAGTTAAAACAAAACAAAAGTTTAGATATTTAGCAAGAATCAC
CTTGCAGGACCATAATCACATTTAAGCCACTGACTTGTTTGTGTTAATGGAAAAAATT
CACACTGCATCTAGTTACTATAGTATTTCTAAGCATAATCAATCACAGCTGATTGATTGA
ATGCAATGTGATTGATTGATTGATTGATTGATATATACCAAATTCATATGGATGTCACA
CAGTGACAGCATTGTACAAGTAACGTTAATGACCTCCAACAAACACATTTTAAATTAGAC
TGG

Quality: High quality sequence stops at base: 209

Entry Created: Mar 22 2000

Last Updated: Mar 22 2000

COMMENTS

This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.

LIBRARY

Lib Name: Soares_NFL_T_GBC_S1
Organism: Homo sapiens
Organ: pooled
Lab host: DH10B
Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker
R. Site 1: Not I
R. Site 2: Eco RI
Description: Equal amounts of plasmid DNA from three normalized libraries (fetal lung NbHL19W, testis NHT, and B-cell NCI_CGAP_GCB1) were mixed, and ss circles were made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified cDNAs

from pools of 5,000 clones made from the same 3 libraries.
The pools consisted of I.M.A.G.E. clones 297480-302087,
682632-687239, 726408-728711, and 729096-731399. Subtraction
by Bento Soares and M. Fatima Bonaldo.

SUBMITTER

Name: Robert Strausberg, Ph.D.
E-mail: cgapbs-r@mail.nih.gov

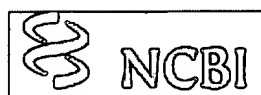
CITATIONS

Title: National Cancer Institute, Cancer Genome Anatomy Project
(CGAP), Tumor Gene Index
Authors: NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>
Year: 1997
Status: Unpublished

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Show: ☐ 1: AI041596. ox56h06.x1 Soares...[gi:3280790]

Links

IDENTIFIERS

dbEST Id: 1780931
EST name: ox56h06.x1
GenBank Acc: AI041596
GenBank gi: 3280790

CLONE INFO

Clone Id: IMAGE:1660379 (3')
Source: NCI
Insert length: 827
DNA type: cDNA

PRIMERS

Sequencing: -40m13 fwd. ET from Amersham
PolyA Tail: Unknown

SEQUENCE

```
GCTCTCTTTGAGTAACTTTATTTTGGAGGAGTTCCATAAGCATTAGGAACATACATAAAA
TGACACACCACTGTTGACAATGAAAAAAAAAACAGCATTTGATATTTTCCAGCTTTTAA
GTTAAAAAATGATTTCAGTTAAACAAAACAAAAGTTTAGATATTTTAGCAAGAATCACCT
TGCAGGACCATAATCACATTTAAGCCACTGACTTGTGTTGTTGTTAATGGAAAAATTCA
CACTGCATCTAGTTACTATAGTATTTCTAAGCATAATCAATCACAGCTGATTGATTGAAT
GCAATGTGATTGATTGATTGATTGATTGATATATACCAAATTCATATGGATGTCACACA
GTGACAGCATTGTACAAGTAACGTTAATGACCTCCAACAAACACATTTTAAATTAGACTG
GTCAAGCTAAAAGGAATGTTGGAG
```

Quality: High quality sequence stops at base: 414

Entry Created: Jun 30 1998

Last Updated: Sep 24 1998

COMMENTS

This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.

LIBRARY

Lib Name: Soares_NhHMPu_S1
Organism: Homo sapiens
Organ: mixed (see below)
Tissue type: Pooled human melanocyte, fetal heart, and pregnant uterus
Lab host: DH10B
Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker
R. Site 1: Not I
R. Site 2: Eco RI
Description: Equal amounts of plasmid DNA from three normalized libraries (melanocyte 2NbHM, pregnant uterus NbHPU, and fetal heart NbHH19W) were mixed, and ss circles were made in vitro.

Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified cDNAs from pools of 5,000 clones made from the same 3 libraries. The pools consisted of I.M.A.G.E. clones 260232-265223, 340488-345479, and 484488-489479.

SUBMITTER

Name: Robert Strausberg, Ph.D.
E-mail: cgapbs-r@mail.nih.gov

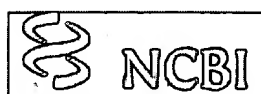
CITATIONS

Title: National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index
Authors: NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>
Year: 1997
Status: Unpublished

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 Show: ☐ 1: AW072470. xa06d07.x1 Soares...[gi:6027468]

Links

IDENTIFIERS

dbEST Id: 3209709
EST name: xa06d07.x1
GenBank Acc: AW072470
GenBank gi: 6027468

CLONE INFO

Clone Id: IMAGE:2567533 (3')
Source: NCI
Insert length: 1130
DNA type: cDNA

PRIMERS

Sequencing: -40UP from Gibco
PolyA Tail: Unknown

SEQUENCE

```
TTTCTCTTTGAGTAACTTTATTTTGGAGGAGTTCATAAGCATTAGGAACATACATAAAA  
TGACACACCACTGTTGACAATGAAAAAAAAAACAGCATTTGATATTTCCAGCTTTTAA  
GTTAAAAAATGATTTCAGTTAAACAAAAACAAAGTTTAGATATTTAGCAAGAATCACCT  
TGCAGGACCATAATCACATTTAAGCCACTGACTTGTTTGTGTTAATGGAAAAAATTCA  
CACTGCATCTAGTTACTATAGTATTTCTAAGCATAATCAATCACAGCTGATTGATTGAAT  
GCAATGTGATTGATTGATTGATTGATTGATATATACCAAATTCATATGGATGTCACACA  
GTGACAGCATTGTACAAGTAACGTTAATGACCTCCAACAAACACATTTTAAATTAGACTG  
GTCAAGCTAAAAGGAATGTTGGAGCCAAAA
```

Quality: High quality sequence stops at base: 447

Entry Created: Oct 13 1999
Last Updated: Oct 20 2000

COMMENTS

This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.

LIBRARY

Lib Name: Soares_NFL_T_GBC_S1
Organism: Homo sapiens
Organ: pooled
Lab host: DH10B
Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker
R. Site 1: Not I
R. Site 2: Eco RI
Description: Equal amounts of plasmid DNA from three normalized libraries (fetal lung NbHL19W, testis NHT, and B-cell NCI_CGAP_GCB1) were mixed, and ss circles were made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive

hybridization reaction. The driver was PCR-amplified cDNAs from pools of 5,000 clones made from the same 3 libraries. The pools consisted of I.M.A.G.E. clones 297480-302087, 682632-687239, 726408-728711, and 729096-731399. Subtraction by Bento Soares and M. Fatima Bonaldo.

SUBMITTER

Name: Robert Strausberg, Ph.D.
E-mail: cgapbs-r@mail.nih.gov

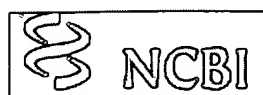
CITATIONS

Title: National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index
Authors: NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>
Year: 1997
Status: Unpublished

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Show: ☐ 1: AI573107. tr69f01.x1 NCI_CG...[gi:4536481]

Links

IDENTIFIERS

dbEST Id: 2391435
EST name: tr69f01.x1
GenBank Acc: AI573107
GenBank gi: 4536481

CLONE INFO

Clone Id: IMAGE:2223577 (3')
Source: NCI
Insert length: 3468
DNA type: cDNA

PRIMERS

Sequencing: -40UP from Gibco
PolyA Tail: no

SEQUENCE

TTTTTGCTCTCTTTGAGTAACTTTATTTTGGAGGAGTTCATAAGCATTAGGAACATACA
TAAAATGACACACCACTGTTGACAATGAAAAAAAAAACAGCATTGTGATATTTCCAGCTT
TTTAAGTTAAAAAATGATTTCAGTTAAACAAAACAAAAGTTTAGATATTTTAGCAAGAAT
CACCTTGCAGGACCATAATCACATTTAAGCCACTGACTTGTTTGTGTTAATGGAAAAA
ATTCACACTGCATCTAGTTACTATAGTATTTCTAAGCATAATCAATCACAGCTGATTGAT
TGAATGCAATGTGATTGATTGATTGATTGATATATACCAAATTCATATGGATGTCACAC
AGTGACAGCATTGTACAAGTAACGTTAATGACCTCCAACAAACACATTTTAAATTAGACT
GGTCAAGCTAAAAGGAATGTTGGAGCCAAAA

Quality: High quality sequence stops at base: 405

Entry Created: Mar 29 1999
Last Updated: May 14 1999

COMMENTS

Life Technologies catalog #: 11548-013
DNA Sequencing by: Washington University Genome Sequencing
Center
Clone distribution: NCI-CGAP clone distribution information
can be found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html

LIBRARY

Lib Name: NCI_CGAP_Pan1
Organism: Homo sapiens
Organ: pancreas
Tissue type: adenocarcinoma
Lab host: DH10B
Vector: pCMV-SPORT6
R. Site 1: SalI
R. Site 2: NotI

Description: Cloned unidirectionally. Primer: Oligo dT. Average insert size 1.72 kb. Life Technologies catalog #: 11548-013

SUBMITTER

Name: Robert Strausberg, Ph.D.
E-mail: cgapbs-r@mail.nih.gov

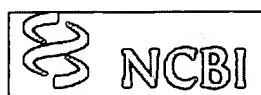
CITATIONS

Title: National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index
Authors: NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>
Year: 1997
Status: Unpublished

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Links

IDENTIFIERS

dbEST Id: 4231435
EST name: hl80d09.x1
GenBank Acc: AW770384
GenBank gi: 7702426

CLONE INFO

Clone Id: IMAGE:3007505 (3')
Source: NCI
DNA type: cDNA

PRIMERS

Sequencing: -40UP from Gibco
PolyA Tail: Unknown

SEQUENCE

TTGCTCTCTTTGAGTAACTTTATTTTGGAGGAGTTCCATAAGCATTAGGAACATACATAA
AATGACACACCACTGTTGACAATGAAAAAAAAAACAGCATTGTATTTTCCAGCTTTTT
AAGTTAAAAAATGATTTCAGTTAAACAAAACAAAAGTTTAGATATTTTAGCAAGAATCAC
CTTGACAGGACCATAATCACATTTAAGCCACTGACTTGTTTGTGTTGTTAATGGAAAAAATT
CAGCTGCATCTAGTTACTATAGTATTTCTAAGCATAATCAATCACAGCTGATTGATTGA
ATGCAATGTGATTGATTGATTGATTGATTGATTGATATATACCAAATTCATATGGATGTCACA
CAGTGACAGCATTGTACAAGTAACGTTAATGACCTCCAACAAACACATTTTAAATTAGAC
TGGTCAAGCTAAAAGGAATGTTGGAGCCAAAAGAAATGT

Quality: High quality sequence stops at base: 415

Entry Created: May 4 2000
Last Updated: May 4 2000

COMMENTS

Tissue Procurement: Chris Moskaluk, M.D., Ph.D., Michael R. Emmert-Buck, M.D., Ph.D. cDNA Library Preparation: Life Technologies, Inc. cDNA Library Arrayed by: Christa Prange, The I.M.A.G.E. Consortium DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL, send email to: info@image.llnl.gov

LIBRARY

Lib Name: NCI_CGAP_Kid13
Organism: Homo sapiens
Organ: kidney
Tissue type: 2 pooled Wilms' tumors, one primary and one metastatic to brain
Lab host: DH10B
Vector: pCMV-SPORT6

R. Site 1: SalI
R. Site 2: NotI
Description: Cloned unidirectionally. Primer: Oligo dT. Library
constructed by Life Technologies.

SUBMITTER

Name: Robert Strausberg, Ph.D.
E-mail: cgapbs-r@mail.nih.gov

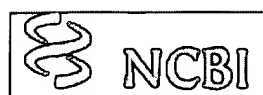
CITATIONS

Title: National Cancer Institute, Cancer Genome Anatomy Project
(CGAP), Tumor Gene Index
Authors: NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>
Year: 1997
Status: Unpublished

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Show:

☐ 1: AA479302.zv21f08.s1 Soares...[gi:2207858][Links](#)**IDENTIFIERS**

dbEST Id: 1124337
EST name: zv21f08.s1
GenBank Acc: AA479302
GenBank gi: 2207858
GDB Id: 5977197

CLONE INFO

Clone Id: IMAGE:754311 (3')
Source: IMAGE Consortium, LLNL
DNA type: cDNA

PRIMERS

Sequencing: -41m13 fwd. ET from Amersham
PolyA Tail: Unknown

SEQUENCE

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CTCTTTGAGTAACTTTATTTTGGAGGAGTTCCATAAGCATTAGGAACATACATAAAATGA  
CACACCACTGTTGACAATGAAAAAAAAAACAGCATTGATATTTTCCAGCTTTTAAAGTT  
AAAAAATGATTCAGTTAAACAAAACAAAAGTTTAGATATTTAGCAAGAATCACCTTGC  
AGGACCATAATCACATTTAAGCCACTGACTTGTGTTGTTGTTAATGGAAAAAATTCACAC  
TGCATCTAGTTACTATAGTATTTCTAAGCATAATCAATCACAGCTGATTGATTGAATGCA  
ATGTGATTGATTGATTGATTGATTGATATATACCAAATTCATATGGATGTCACACAGTG  
ACAGCATTGTACAAGTAACGTTAATGACCTCCAACAAACACATTTTAAATTAGACTGGTC  
AAGCTAAAAGGAATGTTGGAGCCAAAAGAAATGTAGTGGAAT
```

Quality: High quality sequence stops at base: 456

Entry Created: Jun 19 1997

Last Updated: Aug 8 1997

COMMENTS

This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.

LIBRARY

Lib Name: Soares_NhHMPu_S1
Organism: Homo sapiens
Organ: mixed (see below)
Tissue type: Pooled human melanocyte, fetal heart, and pregnant uterus
Lab host: DH10B
Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker
R. Site 1: Not I
R. Site 2: Eco RI
Description: Equal amounts of plasmid DNA from three normalized libraries (melanocyte 2NbHM, pregnant uterus NbHPU, and fetal heart NbHH19W) were mixed, and ss circles were made in vitro.

Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified cDNAs from pools of 5,000 clones made from the same 3 libraries. The pools consisted of I.M.A.G.E. clones 260232-265223, 340488-345479, and 484488-489479.

SUBMITTER

Name: Wilson RK
Institution: Washington University School of Medicine
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
E-mail: est@watson.wustl.edu

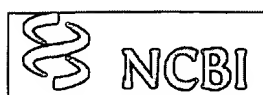
CITATIONS

Title: WashU-Merck EST Project 1997
Authors: Hillier,L., Allen,M., Bowles,L., Dubuque,T., Geisel,G., Jost ,S., Kucaba,T., Lacy,M., Le,N., Lennon,G., Marra,M., Martin ,J., Moore,B., Schellenberg,K., Steptoe,M., Tan,F., Theising ,B., White,Y., Wylie,T., Waterston,R., Wilson,R.
Year: 1997
Status: Unpublished

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☐ 1: R27957. yh57b02.s1 Soares...[gi:784092][Links](#)**IDENTIFIERS**

dbEST Id: 198002
EST name: yh57b02.s1
GenBank Acc: R27957
GenBank gi: 784092
GDB Id: 539557

CLONE INFO

Clone Id: IMAGE:133803 (3')
Insert length: 820
DNA type: cDNA

PRIMERS

Sequencing: Promega -21m13
PolyA Tail: Unknown

SEQUENCE

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AAATTATATATTACATGTTTATTAAGAGCACAACTTTTATGTAAAATTTACATTTAATGA
AAAAAATCAAAAATATTTACAAAATCTTGGAAGACAGATGTGCATTGTTCTAATTACAAT
CCAAAGTAGTAAATAACAATCCTTTAAACTCACATTTATTAGAGTTGTGTTTACAAATT
CTTGGTAAAGAGGCAGCTACAAAGTTTATCACTATATATAAGCAAGAACCAGCTTGCTA
GGGTACATTTCCCATTTGAAAATCTACTGGGTCTCTTTTACACCATTAGGGGGATTTTAA
ATGGGGNAAAAAATCAATATAAACTCATATGGGCTTCAAAATTGGTAACCTGTACCCC
NATACTTGGGGNATGGAGGGCTGTGG
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Quality: High quality sequence stops at base: 302

Entry Created: Apr 25 1995

Last Updated: Apr 25 1995

COMMENTS

Insert Size: 820
High quality sequence stops: 302
Source: IMAGE Consortium, LLNL
This clone is available royalty-free through LLNL ; contact
the IMAGE Consortium (info@image.llnl.gov) for further
information.

LIBRARY

Lib Name: Soares placenta Nb2HP
Organism: Homo sapiens
Sex: Female
Organ: placenta
Develop. stage: placenta obtained at birth (full term)
Lab host: DH10B (ampicillin resistant)
Vector: pT7T3D (Pharmacia) with a modified polylinker
R. Site 1: Not I
R. Site 2: Eco RI

Description: 1st strand cDNA was primed with a Not I - oligo(dT) primer [5' AACTGGAAGAATTCGCGGCCGCAGGAATTTTTTTTTTTTTTTTTTTT 3'], double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified pT7T3 vector. Library went through one round of normalization. Library constructed by Bento Soares and M.Fatima Bonaldo.

SUBMITTER

Name: Wilson RK
Institution: Washington University School of Medicine
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
E-mail: est@watson.wustl.edu

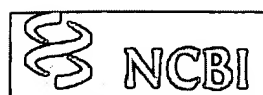
CITATIONS

Title: The WashU-Merck EST Project
Authors: Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P., Wilson,R.
Year: 1995
Status: Unpublished

MAP DATA

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Protein

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Details

Display

default

Show: 20

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File

1: H05625. y170b12.s1 Soares...[gi:869177]

Links

IDENTIFIERS

dbEST Id: 265505
EST name: y170b12.s1
GenBank Acc: H05625
GenBank gi: 869177
GDB Id: 415859

CLONE INFO

Clone Id: IMAGE:43318 (3')
DNA type: cDNA

PRIMERS

Sequencing: Promega -21m13
PolyA Tail: Unknown

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Quality: High quality sequence stops at base: 310

Entry Created: Jun 21 1995
Last Updated: Jun 21 1995

COMMENTS

High quality sequence stops: 291
Source: IMAGE Consortium, LLNL
This clone is available royalty-free through LLNL ; contact
the IMAGE Consortium (info@image.llnl.gov) for further
information.

LIBRARY

Lib Name: Soares infant brain 1NIB
Organism: Homo sapiens
Sex: female
Organ: whole brain
Develop. stage: 73 days post natal
Lab host: DH10B (ampicillin resistant)
Vector: Lafmid BA
R. Site 1: Not I
R. Site 2: Hind III
Description: 1st strand cDNA was primed with a Not I - oligo(dT) primer
[5' AACTGGAAGAATTCGCGGCCGCAGGAATTTTTTTTTTTTTTTTTT 3'];
double-stranded cDNA was ligated to Hind III adaptors

(Pharmacia), digested with Not I and directionally cloned into the Not I and Hind III sites of the Lafmid BA vector. Library went through one round of normalization. Library constructed by Bento Soares and M.Fatima Bonaldo.

SUBMITTER

Name: Wilson RK
Institution: Washington University School of Medicine
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
E-mail: est@watson.wustl.edu

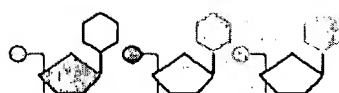
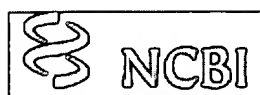
CITATIONS

Title: The WashU-Merck EST Project
Authors: Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.,
, Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P.,
Wilson,R.
Year: 1995
Status: Unpublished

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Entrez
Nucleotide

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Nucleotide

Protein

Genome

Structure

PMC

Taxonomy

OMIM

Boo

Search for Limits Show: History Details☐ 1: AC007962. Homo sapiens chro...[gi:5348397]

Links

LOCUS AC007962 172091 bp DNA linear HTG 03-JUL-1999

DEFINITION Homo sapiens chromosome 17 clone 2511_J_5 map 17, *** SEQUENCING IN PROGRESS ***, 25 unordered pieces.

ACCESSION AC007962

VERSION AC007962.1 GI:5348397

KEYWORDS HTG; HTGS_PHASE1.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 172091)

AUTHORS Birren,B., Linton,L., Nusbaum,C. and Lander,E.

TITLE Homo sapiens chromosome 17, clone 2511_J_5

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 172091)

AUTHORS Birren,B., Linton,L., Nusbaum,C., Lander,E., Allen,N., Anderson,M., Baker,J., Baldwin,J., Barna,N., Beckerly,R., Benn,J., Brown,A., Castle,A., Cerny,J., Colangelo,M., Collins,S., Collymore,A., Cooke,P., DeArellano,K., Depayre,E., Devon,K., Dewar,K., Donelan,L., Doyle,M., Ferreira,P., FitzHugh,W., Forrest,C., Funke,R., Gage,D., Galagan,J., Gardyna,S., Gilbert,D., Grant,G., Hagos,B., Heaford,A., Horton,L., Howland,J.C., Jones,C., Kann,L., Karatas,A., Lehoczký,J., Lieu,C., Locke,K., Macdonald,P., Marquis,N., McEwan,P., McGurk,A., McKernan,K., McLaughlin,J., Meldrim,J., Molla,M., Morris,W., Morrow,J., Mychaleckyj,J., Naylor,J., Niloff,M., O'Connor,T., O'Donnell,P., Pavlin,B., Peterson,K., Pollara,V., Riley,R., Roberts,D., Roy,A., Severy,P., Stange-Thomann,N., Stojanovic,N., Stone,C., Subramanian,A., Tesfaye,S., Torruella-Miller,I., Vassiliev,H., Vo,A., Wagner,A., Wheeler,J., Wu,X., Wyman,D., Ye,W.J. and Zody,M.

TITLE Direct Submission

JOURNAL Submitted (03-JUL-1999) Whitehead Institute/MIT Center for Genome Research, 320 Charles Street, Cambridge, MA 02141, USA

COMMENT All repeats were identified using RepeatMasker: Smit, A.F.A. & Green, P. (1996-1997)
<http://ftp.genome.washington.edu/RM/RepeatMasker.html>.
* NOTE: This is a 'working draft' sequence. It currently
* consists of 25 contigs. The true order of the pieces
* is not known and their order in this sequence record is
* arbitrary. Gaps between the contigs are represented as
* runs of N, but the exact sizes of the gaps are unknown.
* This record will be updated with the finished sequence
* as soon as it is available and the accession number will
* be preserved.
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* gap of unknown length
* 2476 4789: contig of 2314 bp in length
* gap of unknown length


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